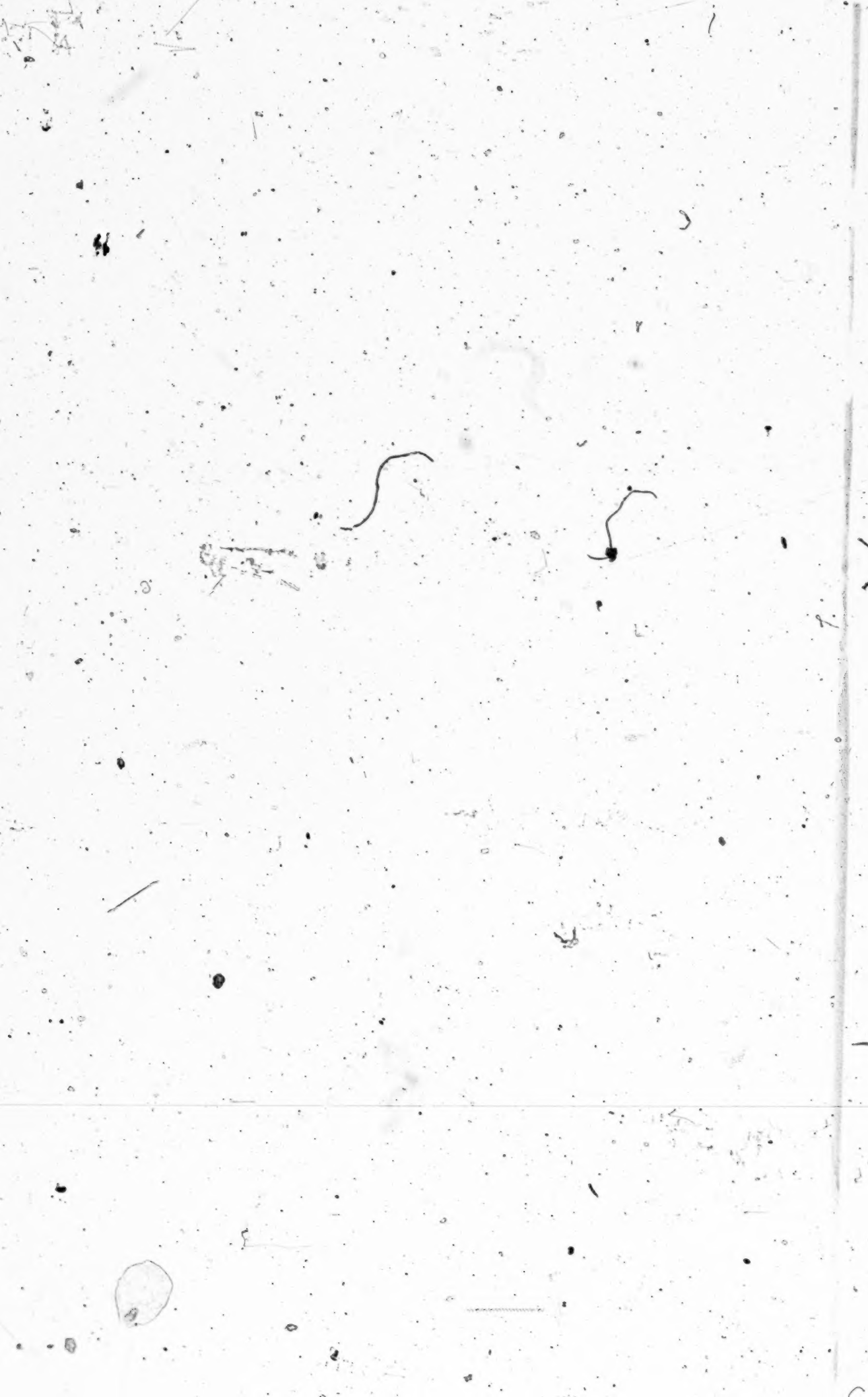

CLERK'S COPY

164

Vol. IV

TRANSCRIPT OF RECORD

469281

Supreme Court of the United States

OCTOBER TERM, 1941

No. 848

MARY W. STEWART, ET AL., PETITIONERS,

vs.

THE UNITED STATES OF AMERICA

ON WRIT OF CERTIORARI TO THE UNITED STATES CIRCUIT COURT OF APPEALS FOR THE NINTH CIRCUIT

PETITION FOR CERTIORARI FILED JANUARY 8, 1942.

CERTIORARI GRANTED FEBRUARY 16, 1942.

TRANSCRIPT OF RECORD

In Five Volumes

Supreme Court of the United States

October Term, 1941

No. 848

MARY W. STEWART, et al.,

Petitioners,

vs.

UNITED STATES OF AMERICA,

Respondent.

VOLUME IV

Book of Exhibits

(Pages 1 to 54)

Maps

ON PETITION FOR A WRIT OF CERTIORARI TO THE UNITED STATES CIRCUIT COURT OF APPEALS FOR THE NINTH CIRCUIT.

PARKER PRINTING COMPANY, 545 SANSOME STREET, SAN FRANCISCO

No. 9507

United States

Circuit Court of Appeals

For the Ninth Circuit.

UNITED STATES OF AMERICA,

Appellant,

vs.

MARY W. STEWART, et al.,

Appellees.

Transcript of Record

In 4 Volumes

VOLUME IV

Book of Exhibits

(Pages 1 to 54)

Maps

Upon Appeal from the District Court of the United States for the Northern District of California, Southern Division.

PARKER PRINTING COMPANY, 545 SANSOME STREET, SAN FRANCISCO 70-8-2-40

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[Clerk's Note: When deemed likely to be of an important nature, errors or doubtful matters appearing in the original certified record are printed literally in italic; and, likewise, cancelled matter appearing in the original certified record is printed and cancelled herein accordingly. When possible, an omission from the text is indicated by printing in italic the two words between which the omission seems to occur.]

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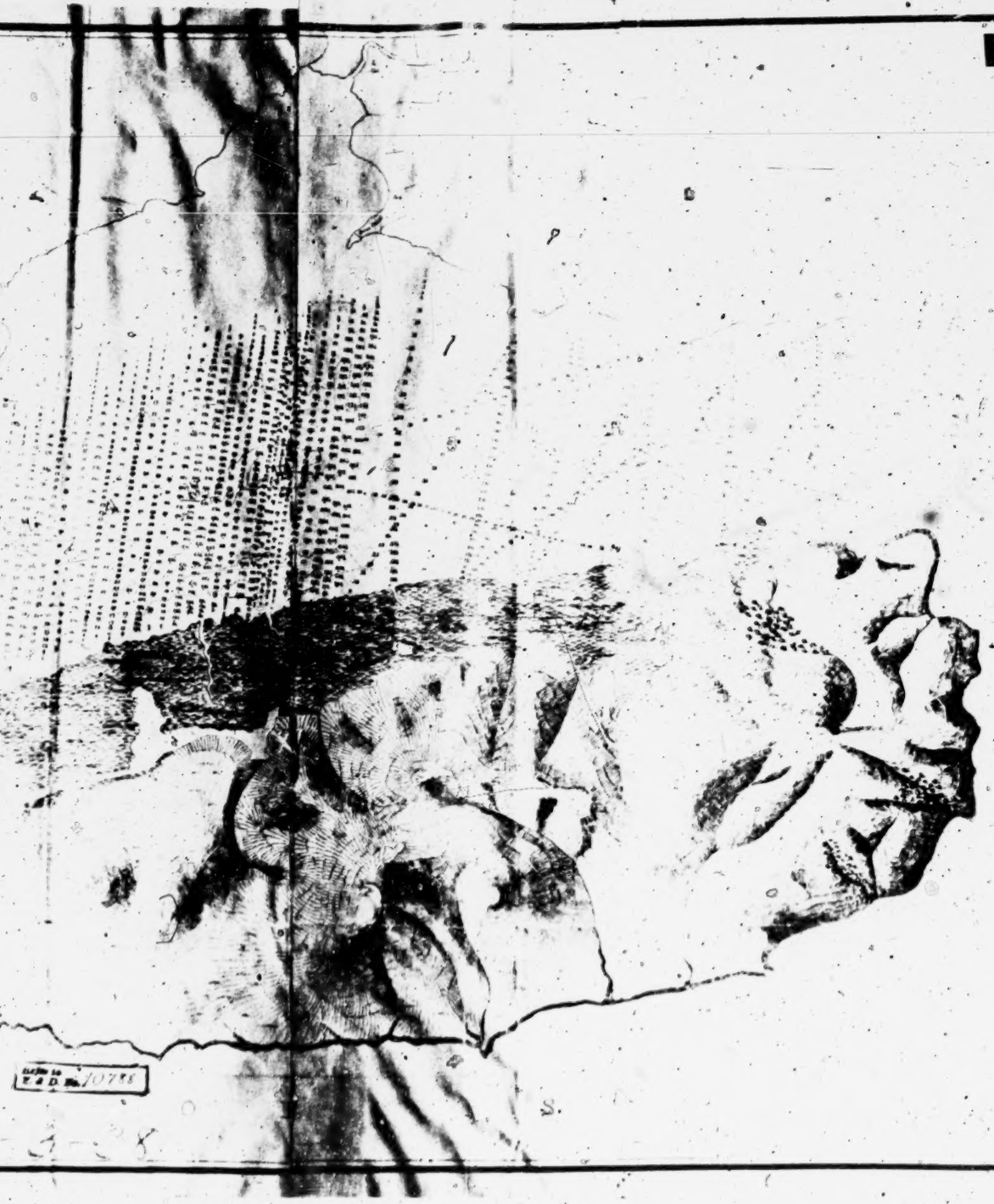
Plaintiff's Exhibit F-2

PLAN
MARE ISLAND,
CALIFORNIA

1852.



Plaintiff's Exhibit #-2

PLAN

NAVY YARD

MARE ISLAND, CALIFORNIA

EXPLANATION

1200-3-33

Plaintiff's Exhibit K-1
Captain Beechey
1827-8

BAHIA
DE
SAN PABLO

Sacramento R.

Karquines Strait

Pt Pinole

Suisun B.

Suisu

Mission de S. Rafael

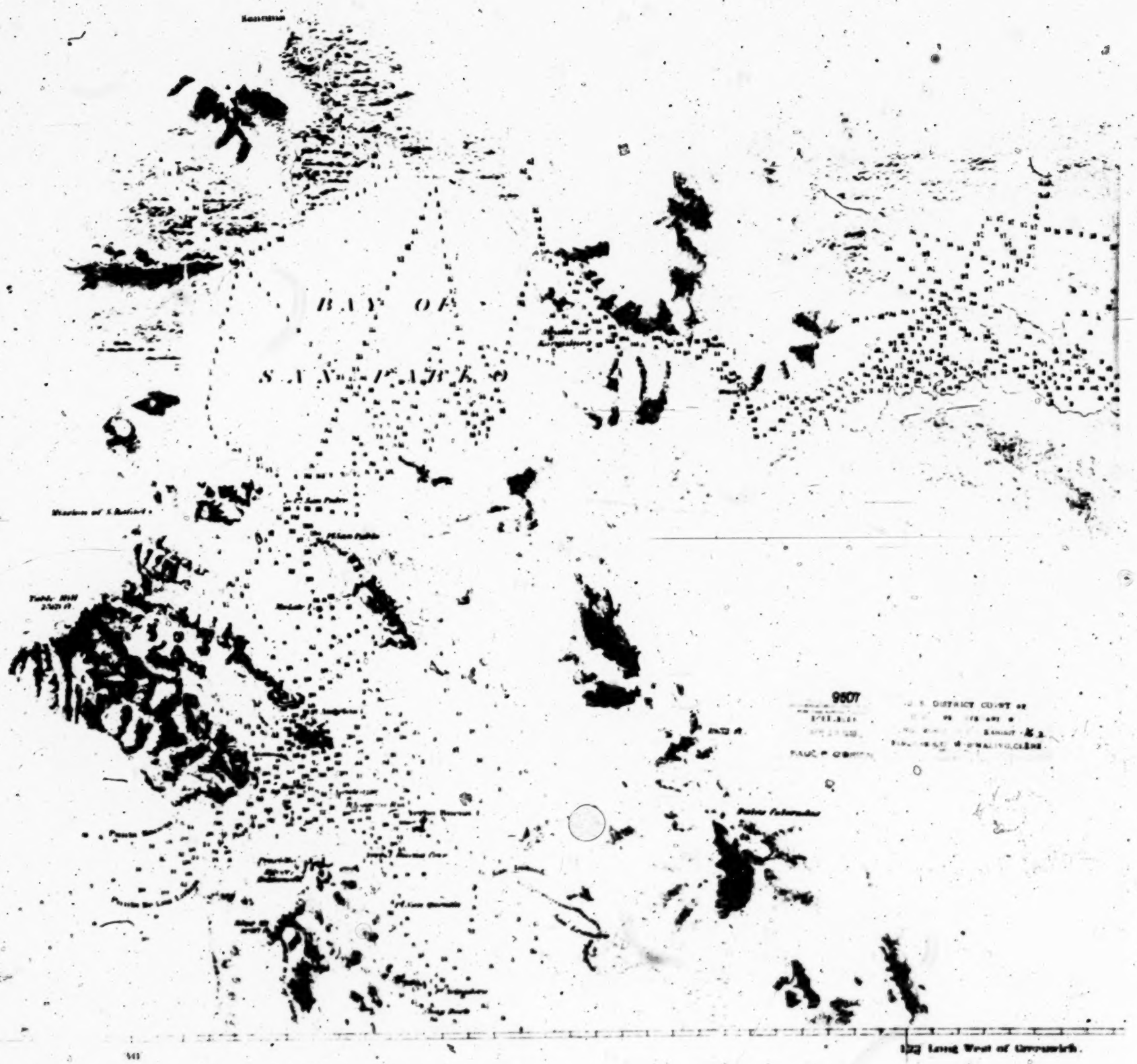
Pta San Pedro

Pta San Pablo

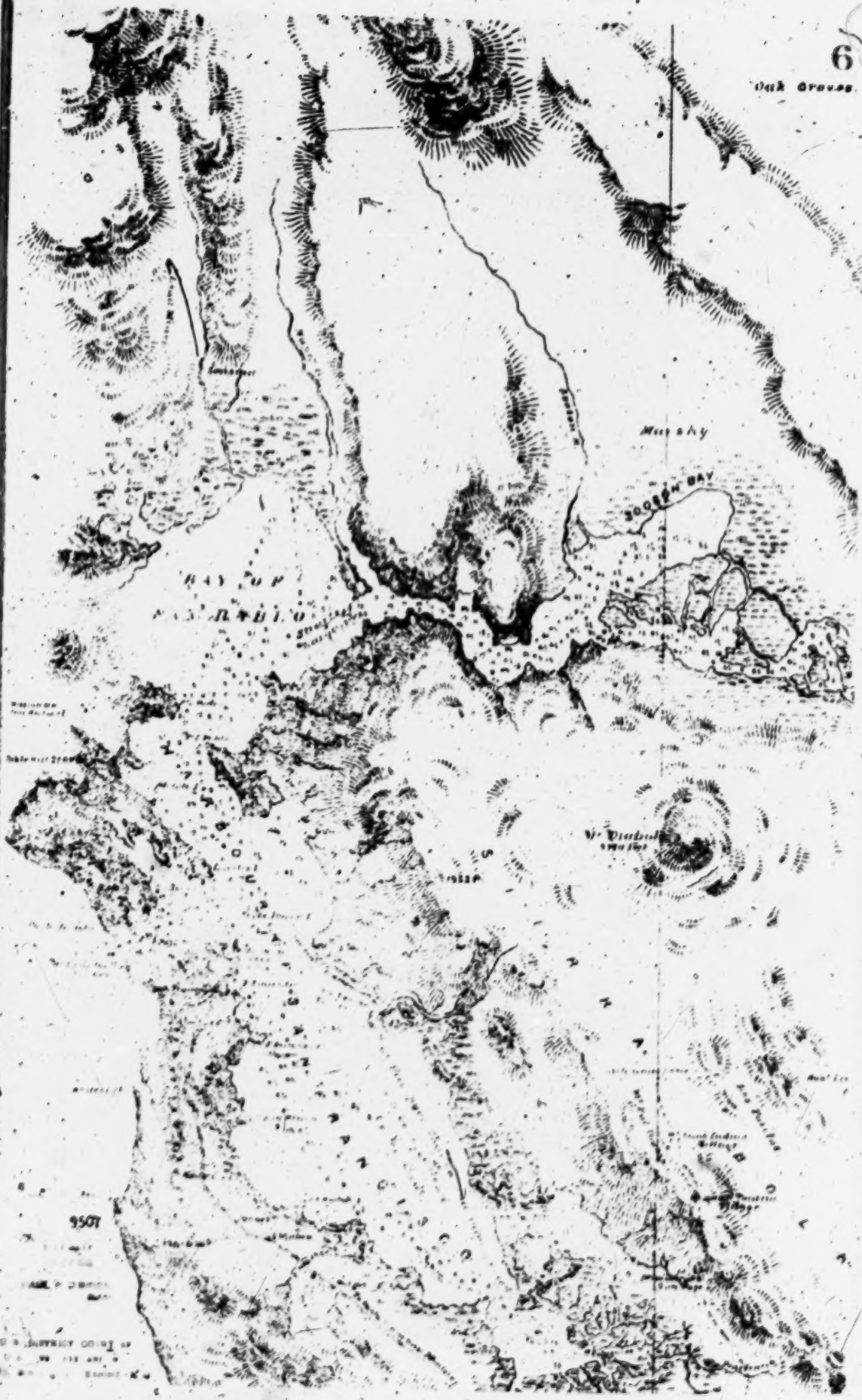
Rancho de Don Ygnacio

Molate Pt

Table Hill


BAY OF
SAN FRANCISCO
9607
122 Long. West of Greenwich.

BAIE
DE SAN PABLO
BAIE DE LOS CARQUINES
PORT
DE SAN FRANCISCO
DANS LA HAUTE CALIFORNIE.
9807
Mt de la Table
S. Antonio


Oak Groves
JOSEPH BAY
9501

YOLO

Knight

Gardnerville

Putah Cr.

Pleasant R.

Woltekills

Bakers

SONOMA

NAPA

SOLANO

Napa City

St. Louis

Sonoma Cr.

Napa R.

Suisun Cr.

Pierrys

Vallejo

Bay

San Pablo

Laguna

Bay

S. Rafael

Martinez

New York

Mt. Diablo

3677 ft.

MARIN

Golden Gate

San Francisco

CONTRA COSTA

Livermore

Alameda Cr.

S. Jose Mis

Arroyo del Cajon

Alvarado

St Clara

S. JOSE

Milpitas

SAN FRANCISCO

B A Y O F

S A N P A B L O

VALLEJO
Capital of the State.

VALLEJO BAY

MARTINEZ

Mare I.

Napa

Petaluma Cr

Sonoma Cr

Pt Pinole

The Sisters

The Brothers

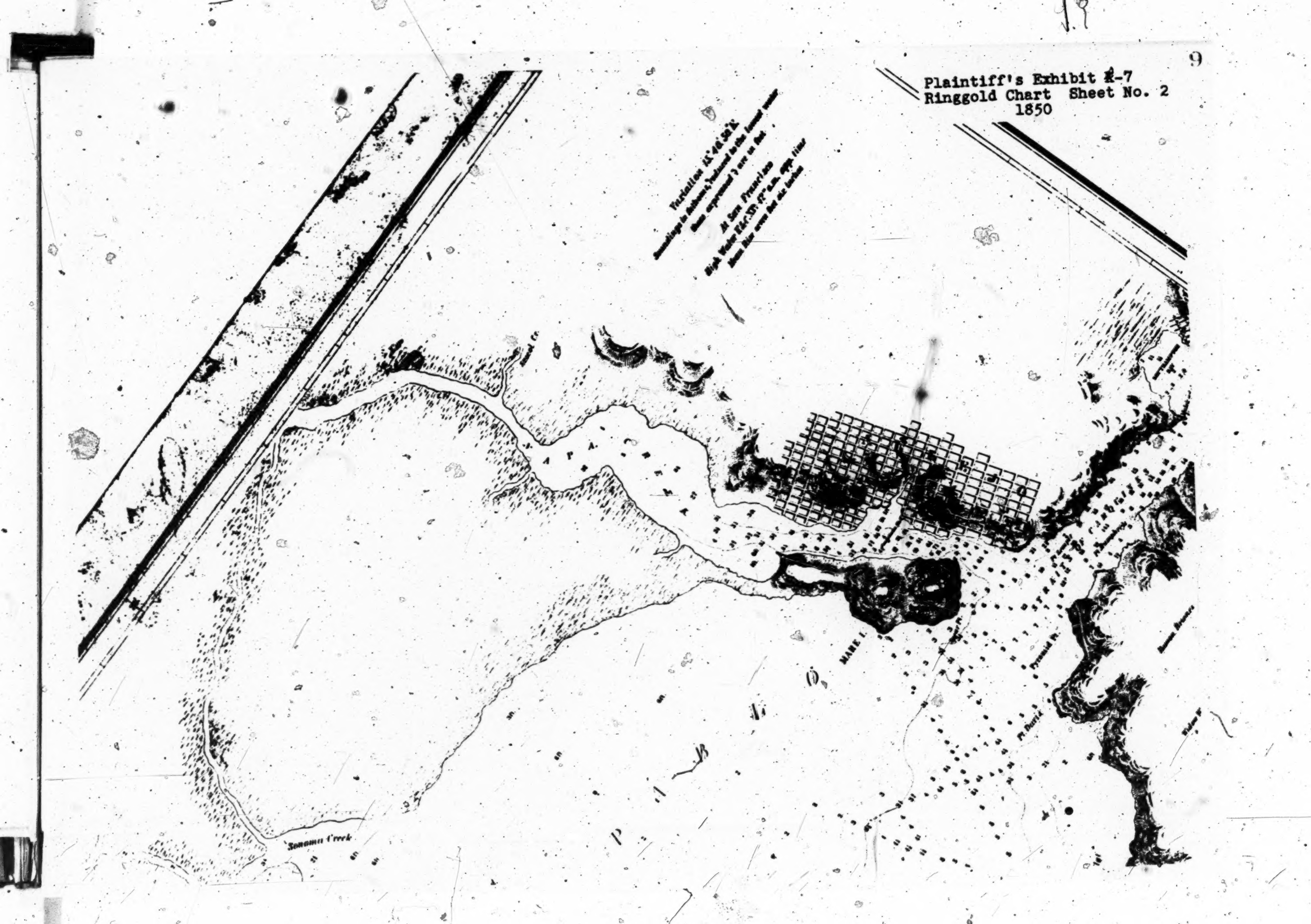
18.5 Geo. 21 ½ Stat. m

19 Geo. 36 ½ Stat. m

D 23 ½ Stat. m

U.S. DISTRICT COURT
FILED
APR 29 1980
PAUL P. O'BRIEN
9507

Plaintiff's Exhibit #-7
Ringgold Chart Sheet No. 2
1850



Record.

Plaintiff's Exhibit L-1
U. S. Coast Survey (Williams and Blunt)
1849

U.S. COAST SURVEY

A.D. BACHE, Superintendt

RECONNAISANCE

of

MARE ISLAND STRAIT

TRIANGULATION

By T.S. WILLIAMS, Asst U.S.C.S.

And S. BLUNT, Lieut U.S.N.

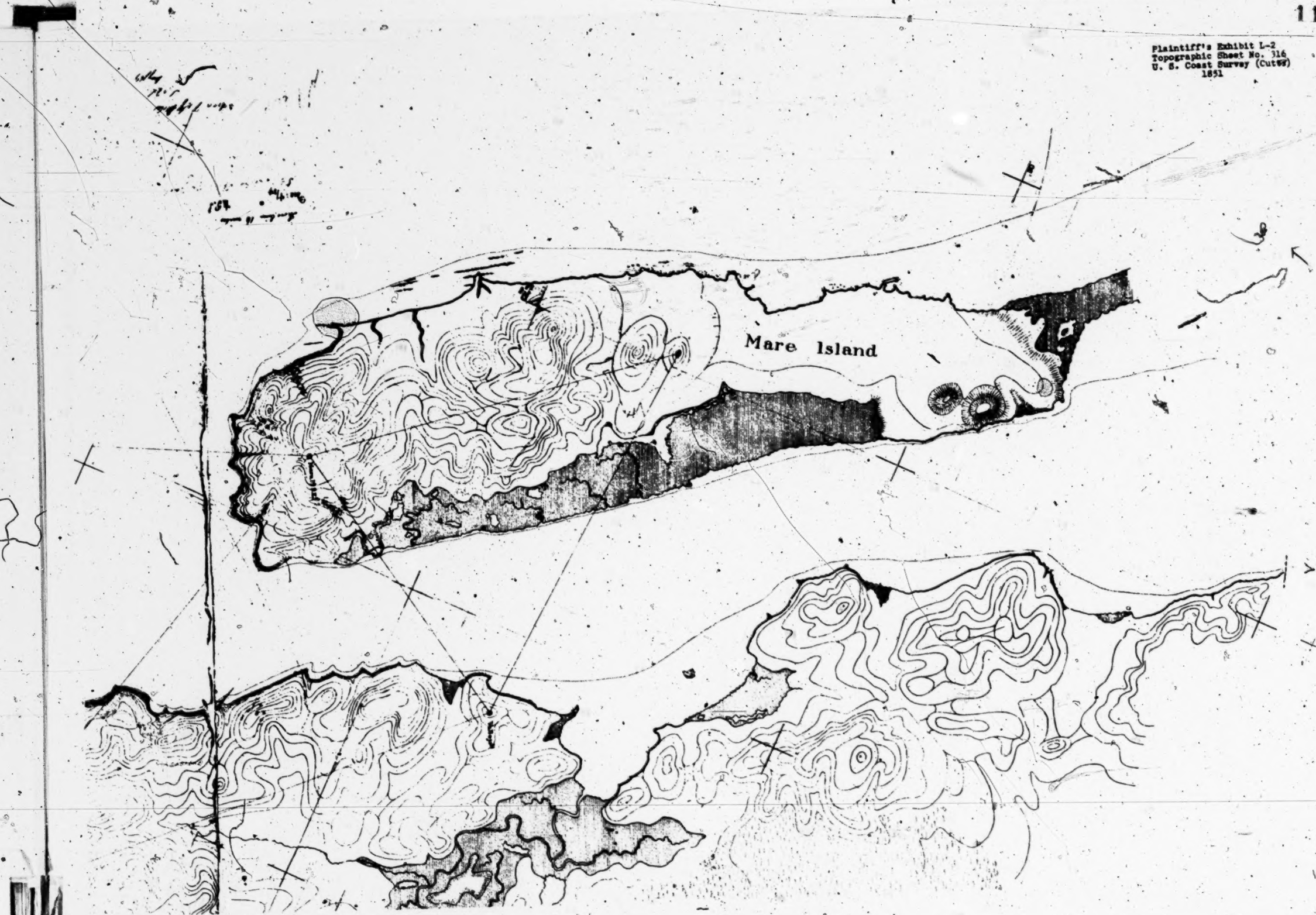
HYDROGRAPHY

By the Party under the Command

of Wm. P. McARTHUR, A. Asst U.S.C.S. Lieut U.S.N.

Register No. 236

Plaintiff's Exhibit L-2
Topographic Sheet No. 316
U. S. Coast Survey (Cut 68)
1851



Plaintiff's Exhibit L-5

U.S. COAST SURVEY
A.D. BACHE Superintendent

MARE ISLAND STRAITS
CALIFORNIA

Triangulation by J.S Williams and R.D.Cutts Assts. U.S.C.S. and
Lt. S.F.Blunt U.S.N. Joint Comm.rs Army & Navy Officers
Topography by R.D.Cutts Asst. U.S.C.S.
Hydrography by the Party
under the command of W.P.Mc Arthur
Lieut.U.S.N. and Asst. U.S.C.S.
Scale 36000
1851

Site of Vallejo
Seat of Government of California

Part of Benicia

Goose Pt.

Commission Rock

Mare Island

Strait of Karquines

Strait

MARE

BAY OF SAN PABLO

Notes

The Soundings were taken during November in the rainy season and represent the general depth of the water during that period, a reduction of 6 feet must be made for indicating the depths during the dry season (in summer)

The Soundings are expressed in feet. Only the characteristic Soundings are here given, these being so selected as best to show the form of the bottom. The curves of depth are indicated thus for 6 feet, thus for 12 feet, thus for 18 feet.

Commission Rock is above water at low tides in summer

Abbreviations used in the bottoms of this Sketch
brnt. for hard
stk. for sticky
blu. for blue

Statute Miles

U.S.
COAST SURVEY

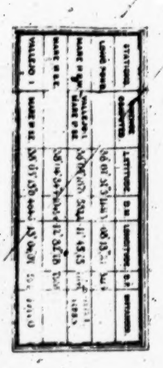
ADBACHE, Superintendent

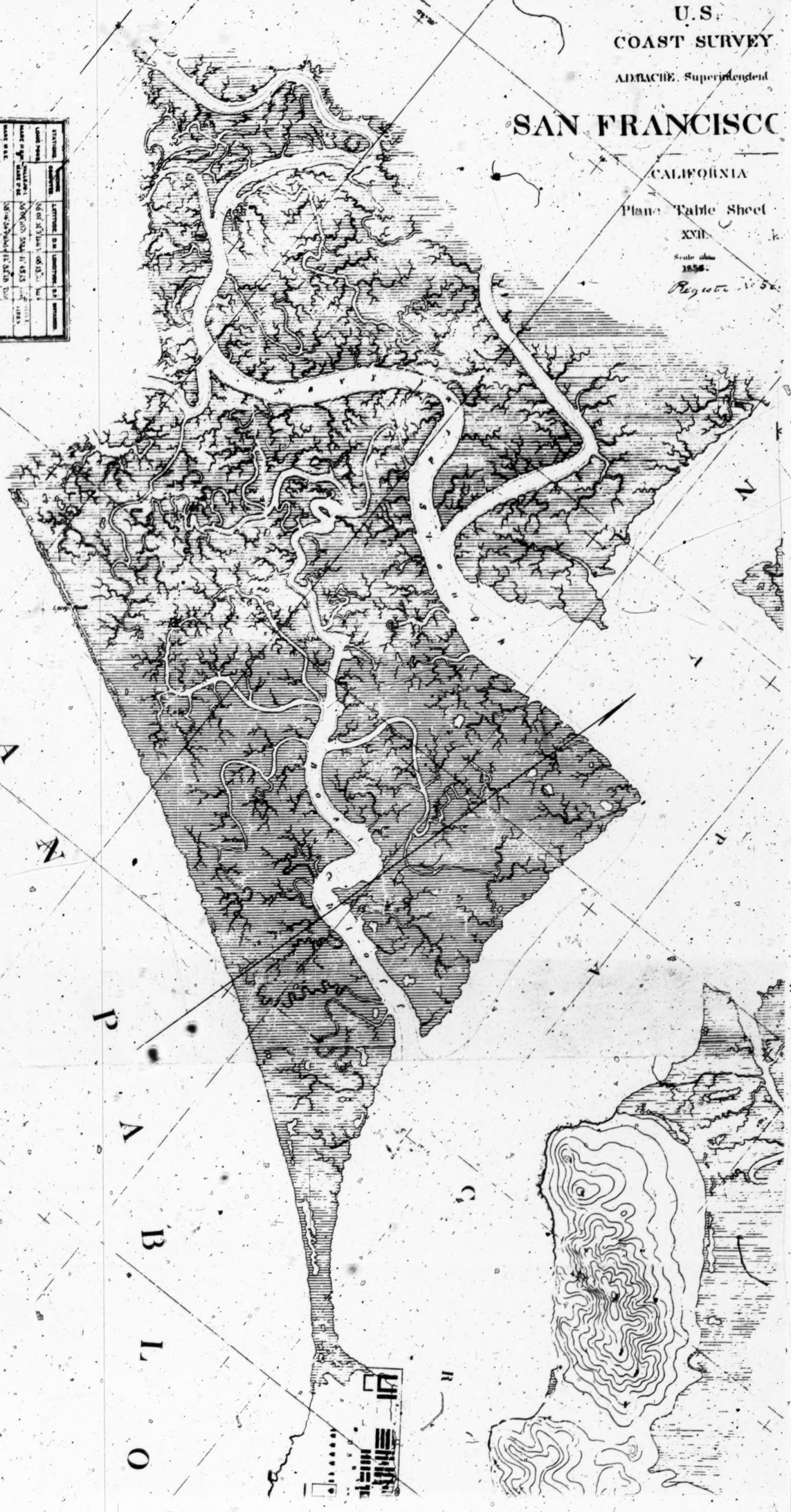
SAN FRANCISCO

CALIFORNIA

Plane Table Sheet
XXII

Scale 1:80000
1856.





Plaintiff's Exhibit L-6
U. S. Coast Survey (Rodgers)
1856

P

A

C

R

E

E

K

N

P A B L O

I S L A N D

(Western Coast)

U.S. COAST SURVEY.

A.D. BACHE. Superintendent.

HYDROGRAPHY of MARE ISLAND STRAIT, CAL

By the Party under the Command of James Alden, Comd'r. U.S.N. Assist. C. Survey.

Scale 1m.

1856.

W. A. McMurdo
Asst Engraver

Draughtsmen

Register № 544.

NAVY YARD

SAN PABLO BAY

The plane of reference is the mean of the lower low waters

Note

The above plane is represented by mean lower low water

Authority: Off. Tides and Currents, June 1856

(Western Coast)

U.S. COAST SURVEY.

A.D.BACHE Superintendent

PHY of MARE ISLAND STRAIT . CAL

By the Command of James. Alden, Comd'r. U.S.N. Assist. C. Survey.

Scale 1in

1856.

W. B. McMurtrie
Geo. Forquhar

Draughtsmen

Register № 544.

NAVY YARD

N P A B L O B A

HYDROGRAPHY of MARE ISLAND STRAIT, CAL

By the Party under the Command of James Alden, Comd'r U.S.N. Assist. C. Survey.

1856.

Register № 544.

NAVY YARD

SAN PABLO BAY

The plane of reference is the mean of the lowest low waters of each day

Note

The above plane is equivalent to mean lower low water
Authority: Dir. Tides and Currents, June 1926

PHY of MARE ISLAND STRAIT . CAL

y the Command of James. Alden, Comd'r U.S.N. Assist. C. Survey.

Scale 4in

1856.

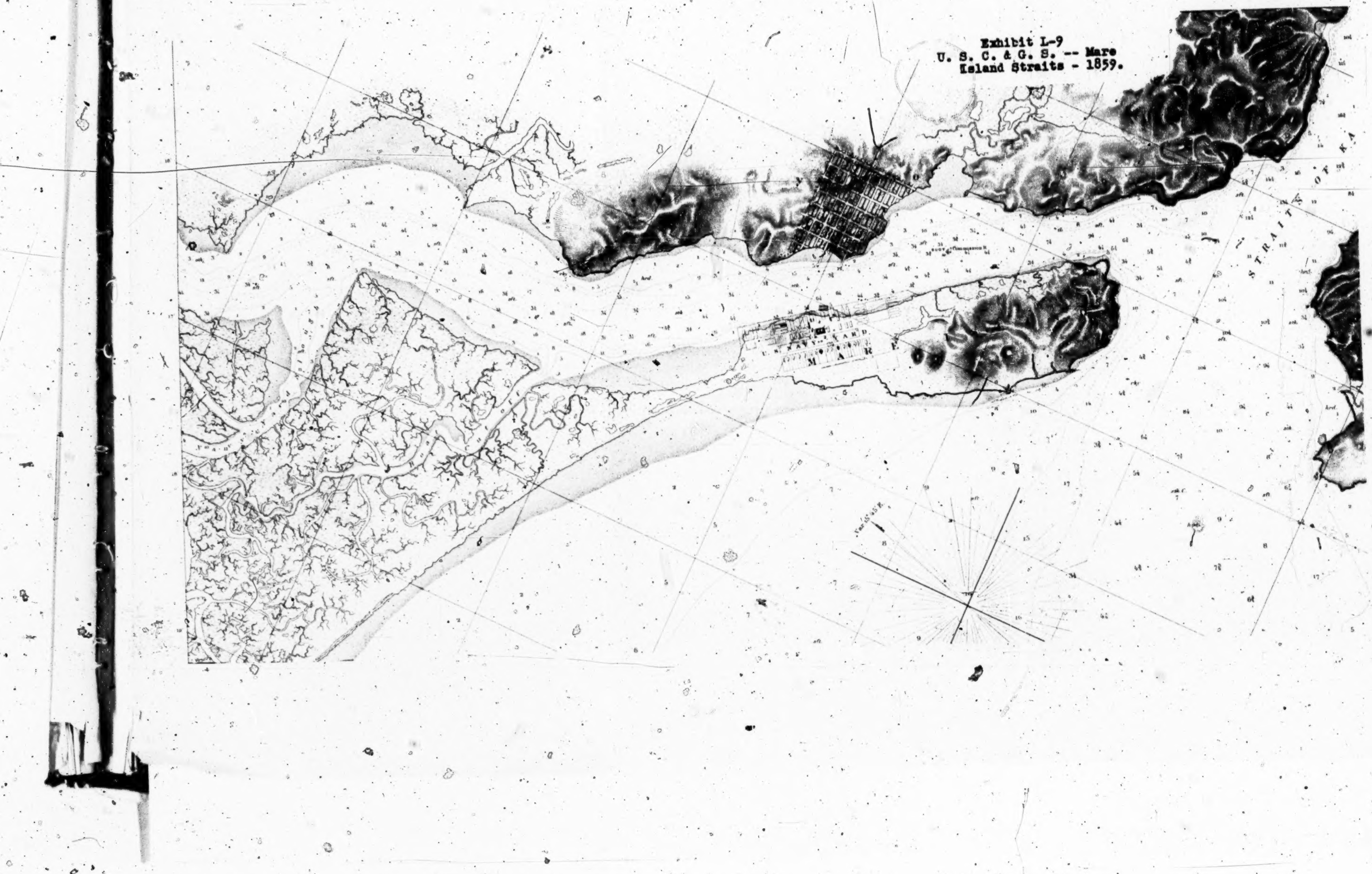
Register № 544

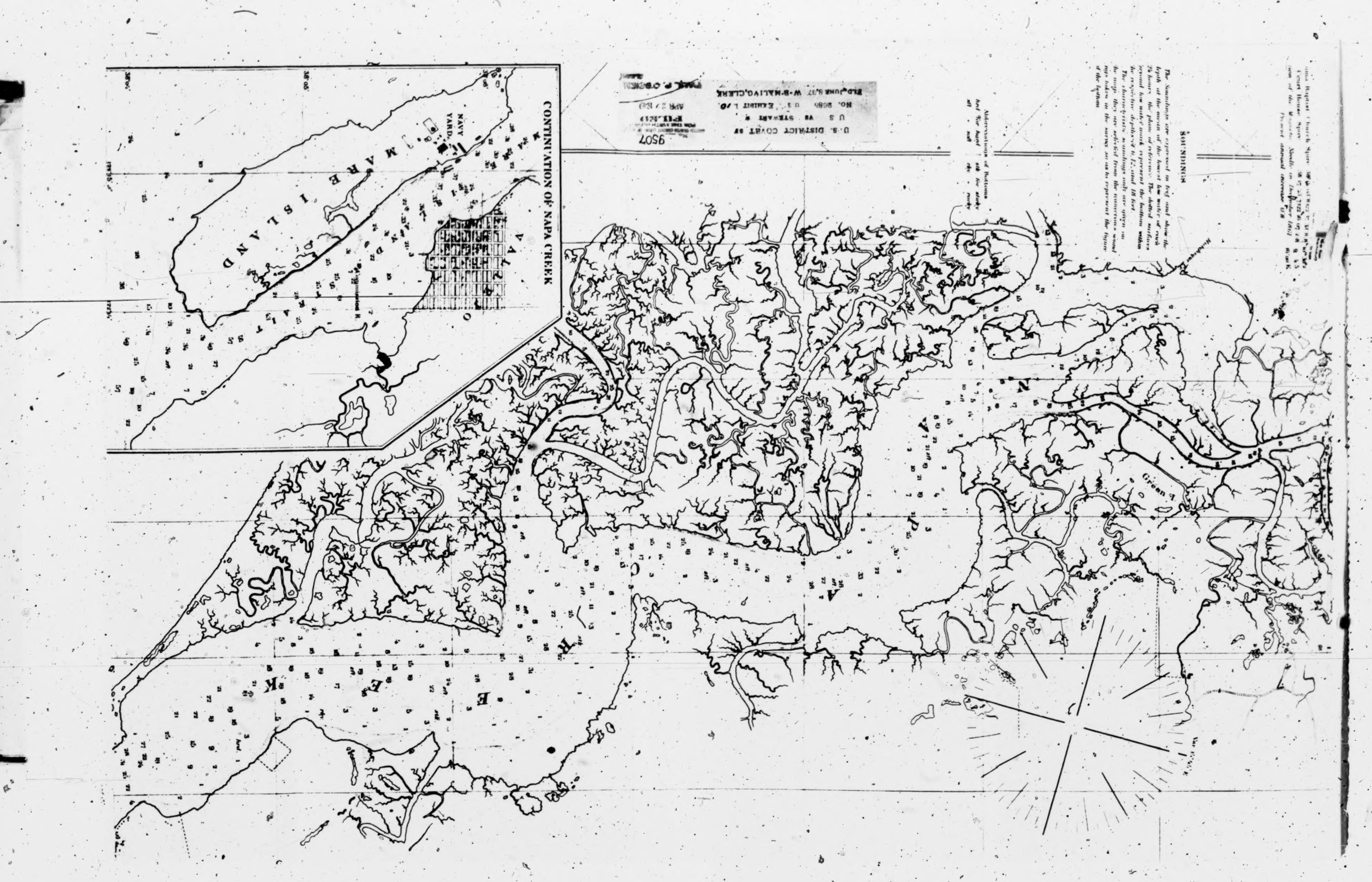
NAVY YARD

N P A B L O B A Y

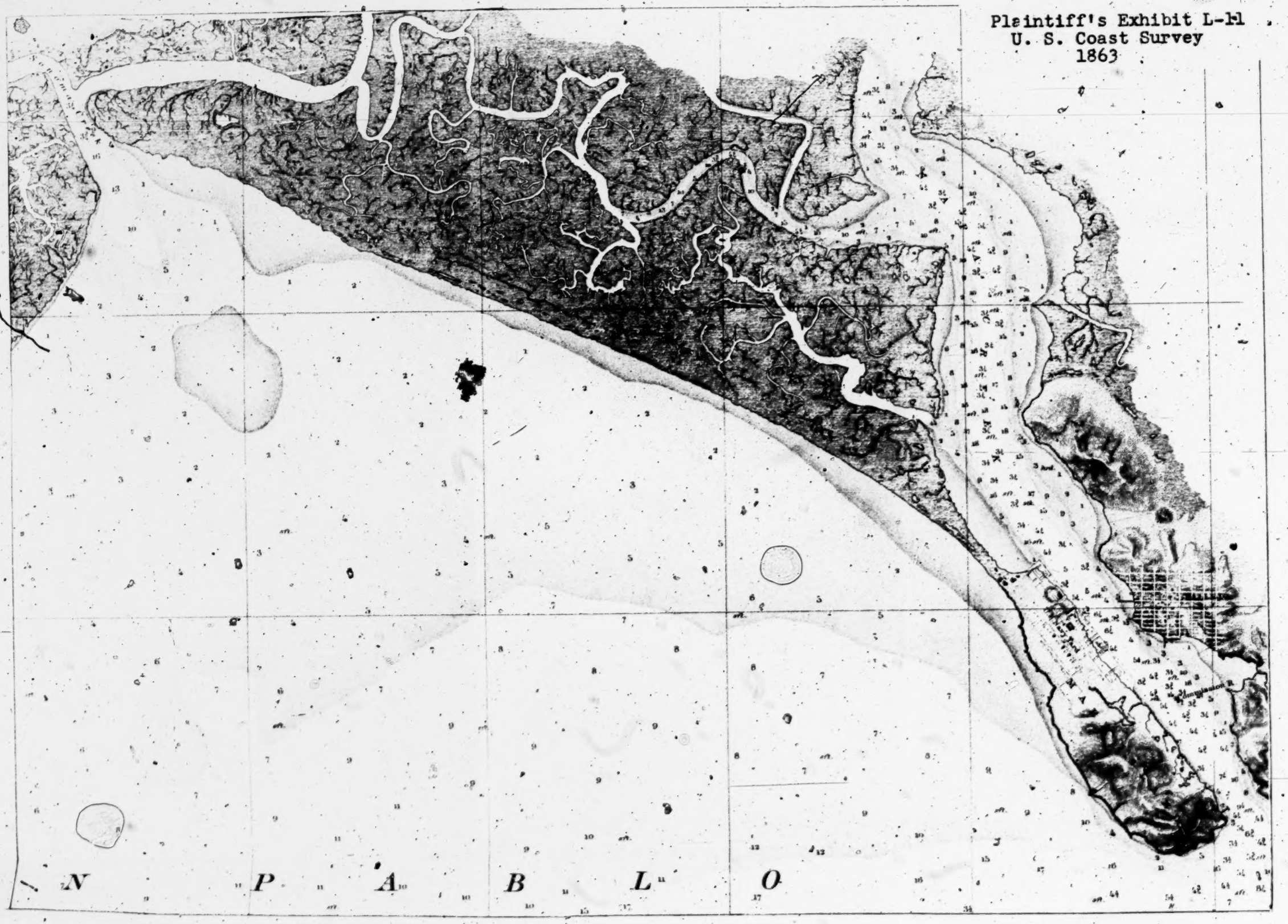
9507

Exhibit L-9
U. S. C. & G. S. -- Mare
Island Straits - 1859.




CONTINUATION OF NAPA CREEK
MARE ISLAND
NAVY YARD
VALLEJO
SOUNDINGS
Abbreviations of Bottoms
D.S. DISTRICT COVET. ST
U.S. VS STEAMR ?
No. 9587 U.S. EXHIBIT L/O.
FILED JUNE 8,'17 W.B.HALLIG,CLERK
9507
APR 2 7 '20
PWL.3219
Green

Plaintiff's Exhibit L-11
U. S. Coast Survey
1863



Plaintiff's Fxhibit L-15
U. S. Coast and Geodetic Survey
1915

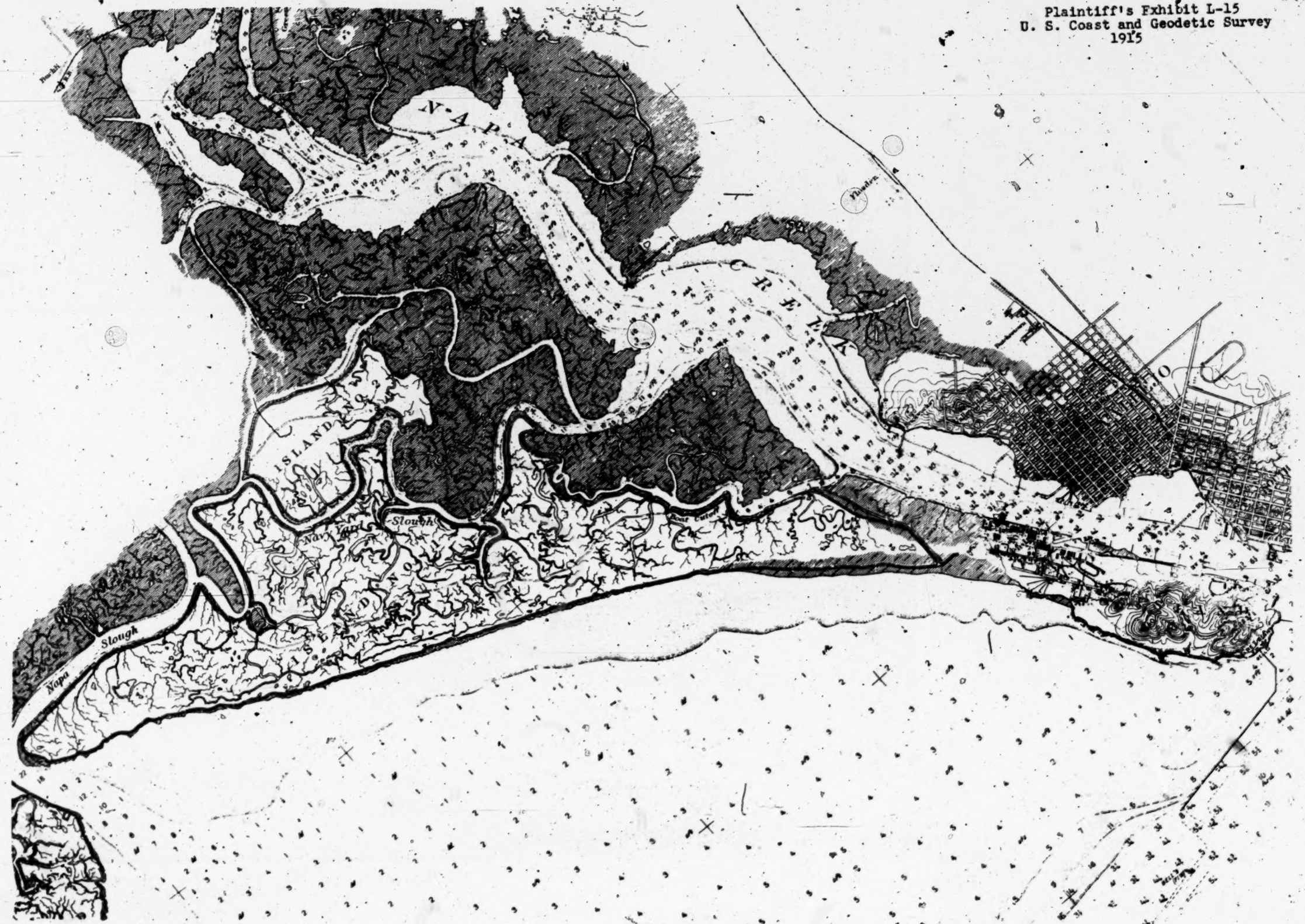
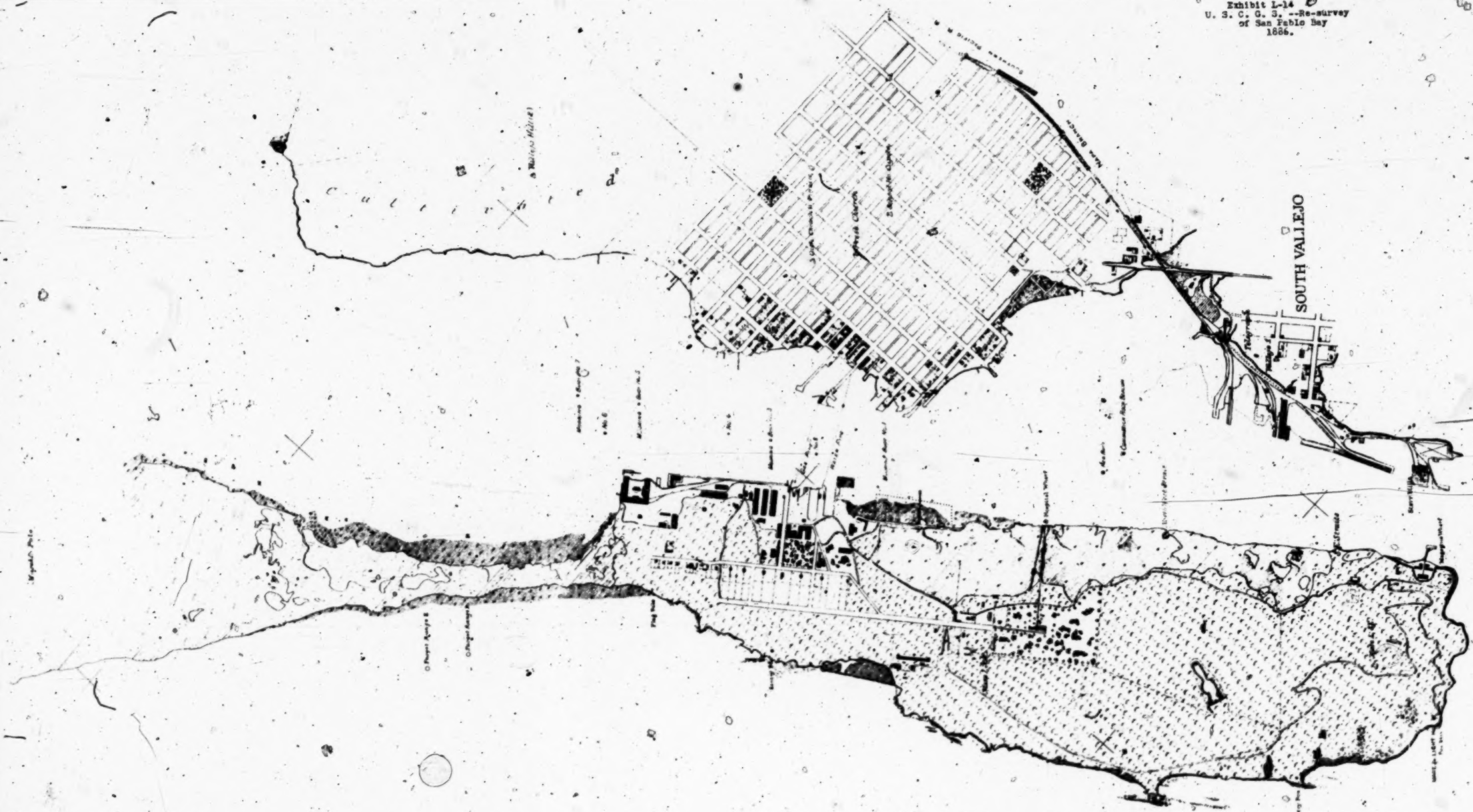
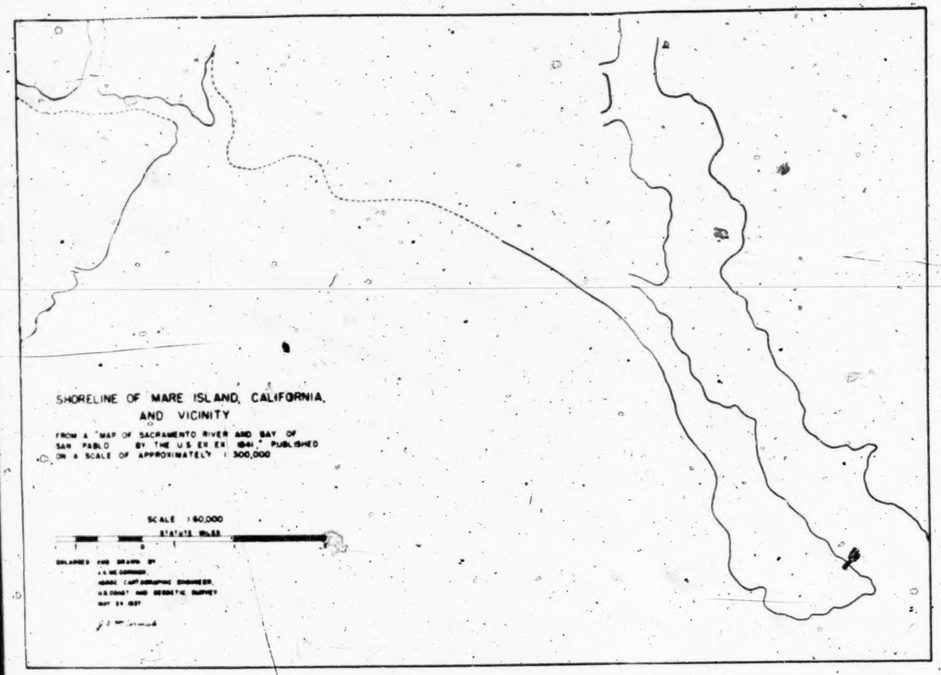
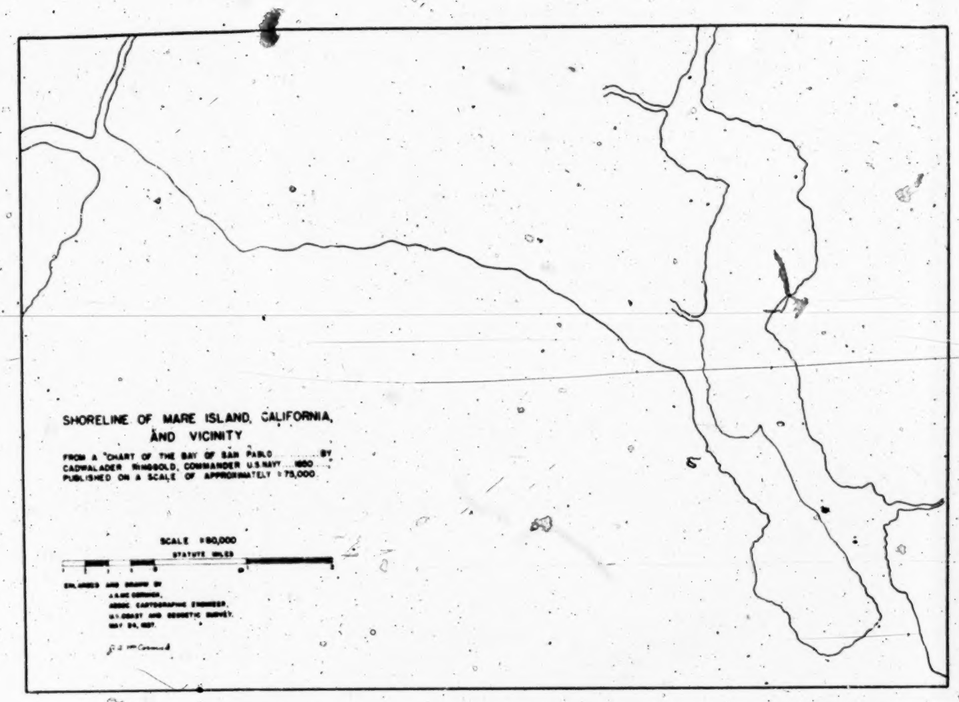
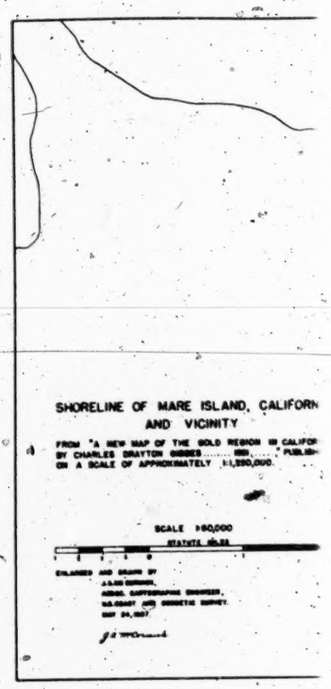


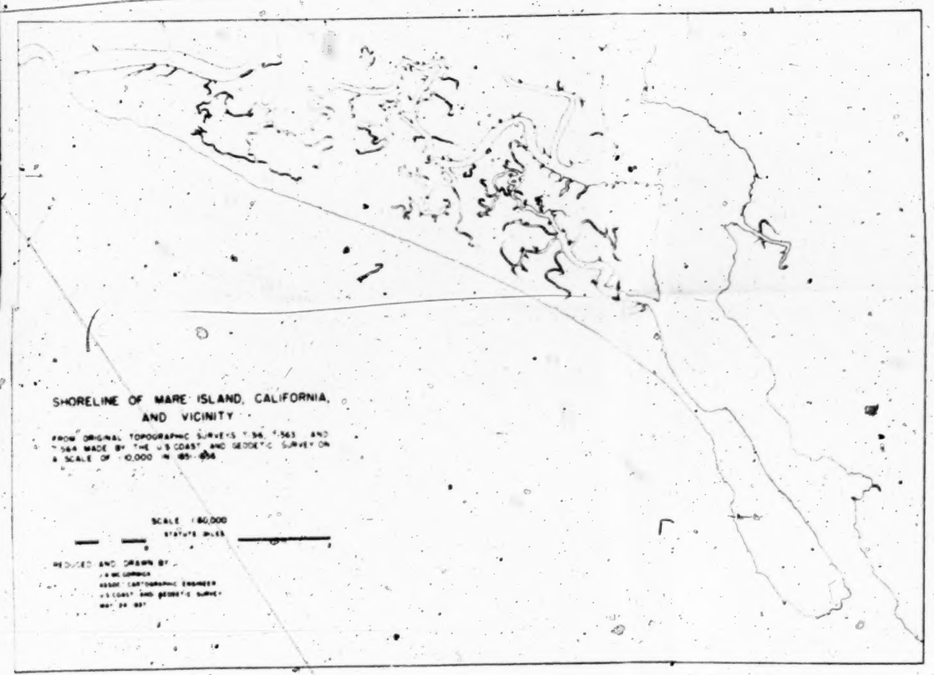
Exhibit L-14
U. S. C. G. S. --Re-survey
of San Pablo Bay
1886.

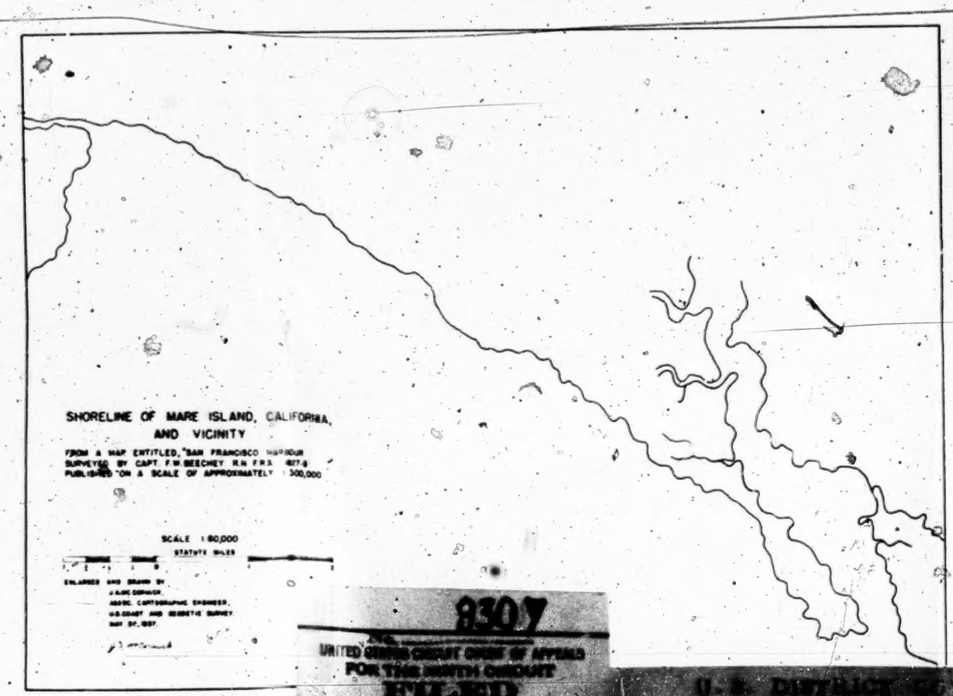


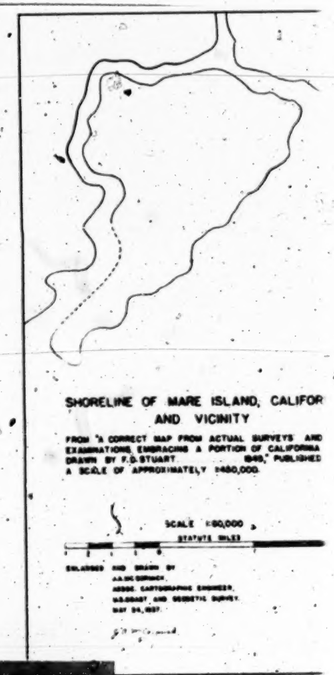




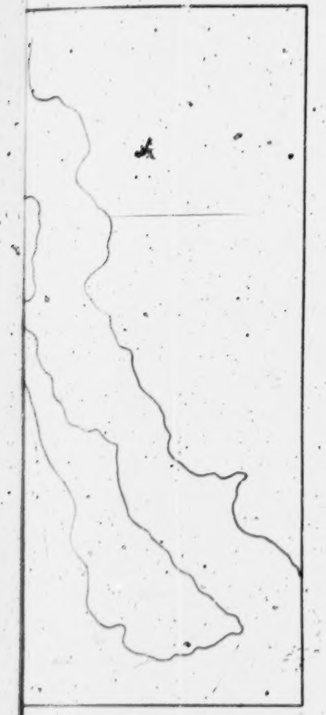


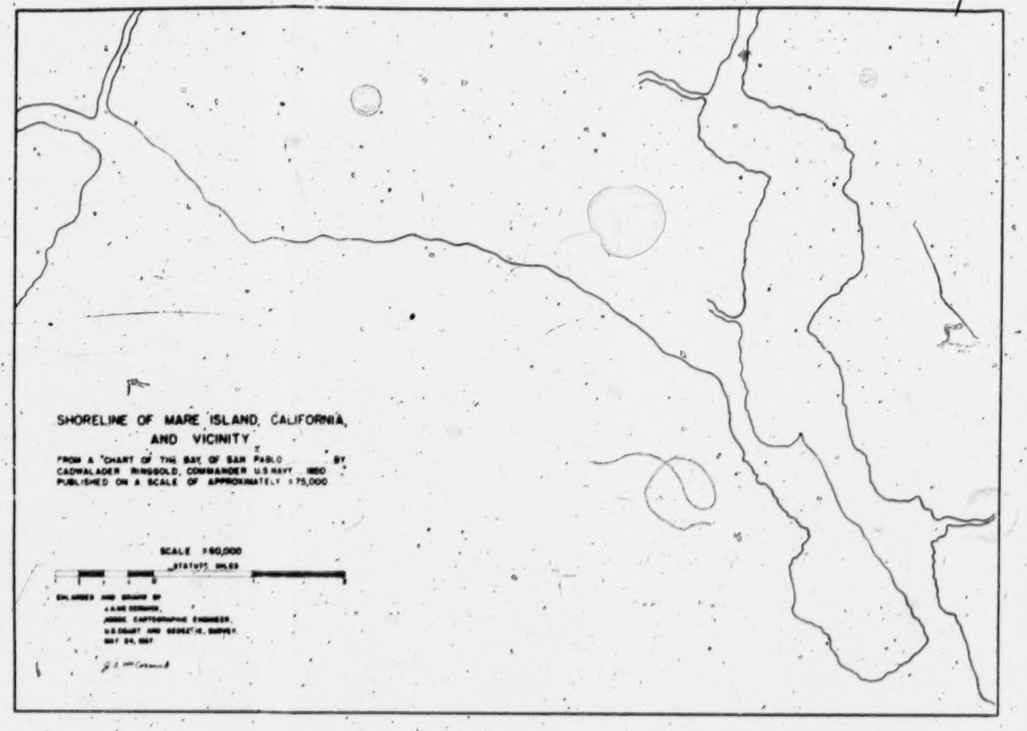


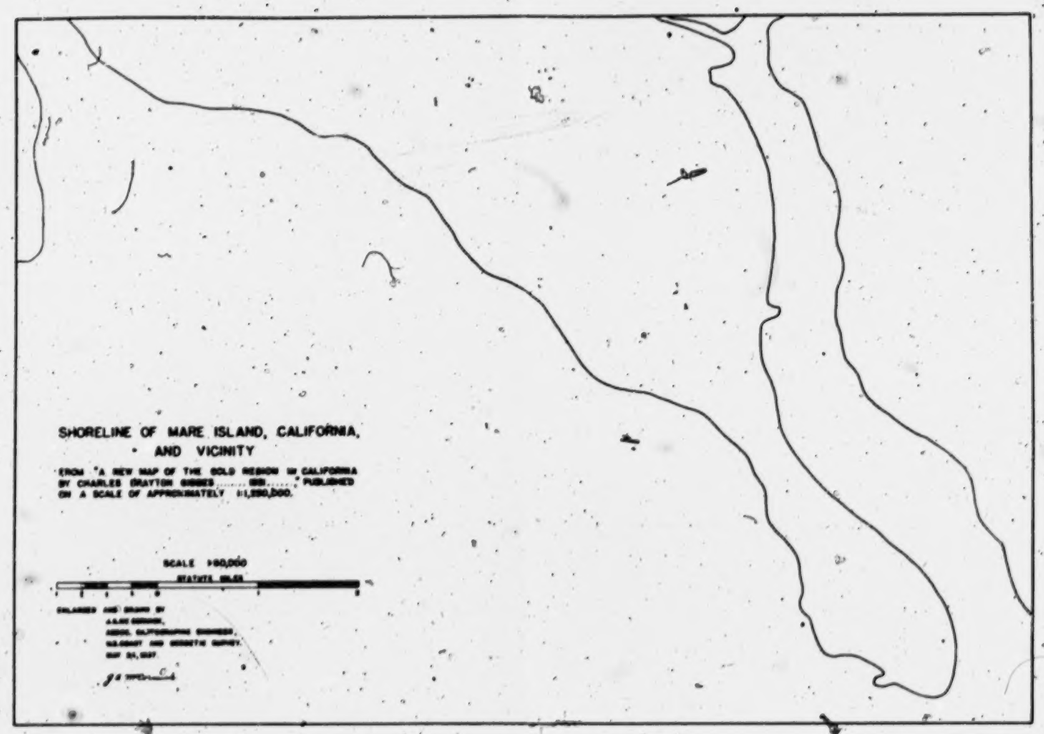


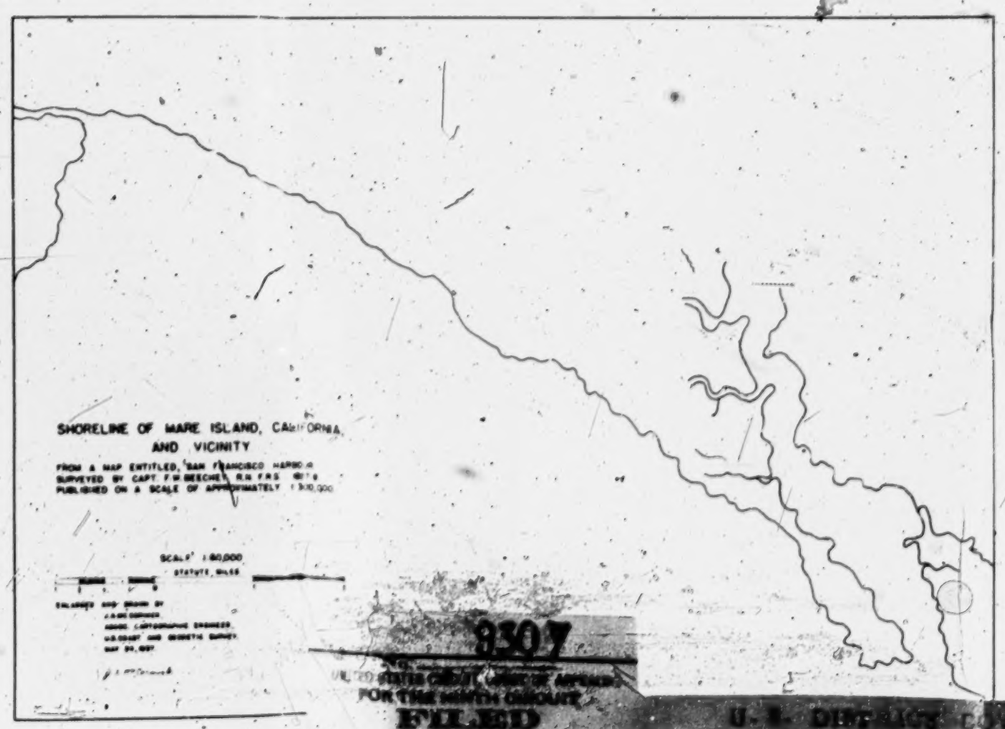


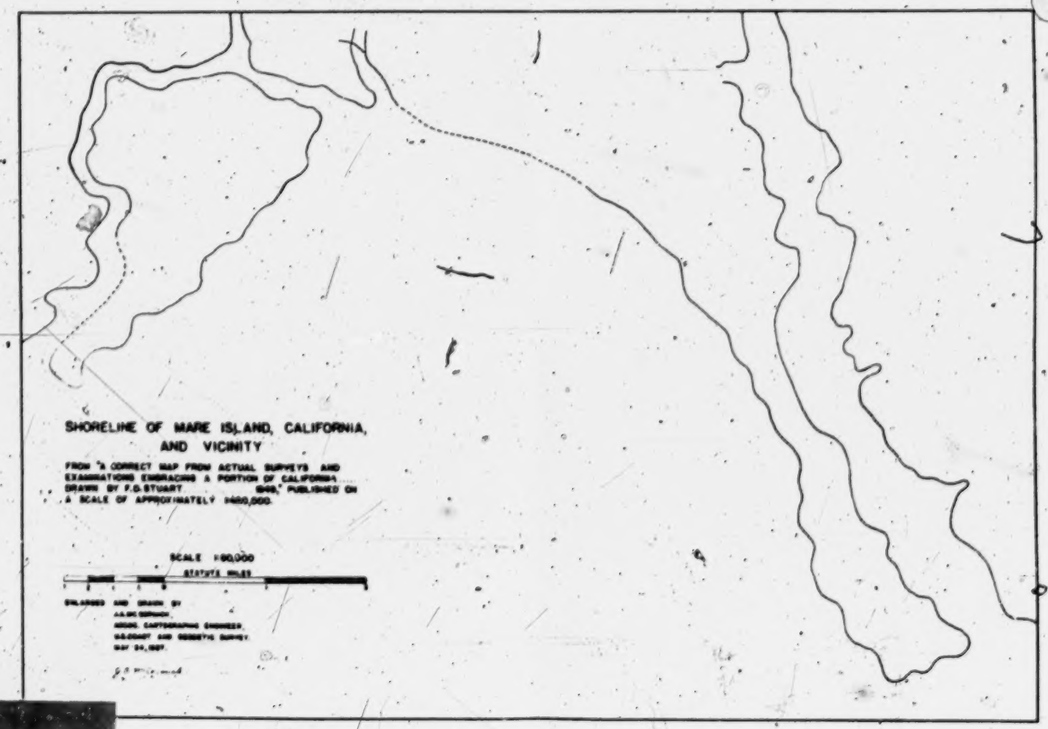
9307
UNITED STATES CIRCUIT COURT OF APPEALS
FOR THE NINTH CIRCUIT
FILED
U. S. DISTRICT COURT



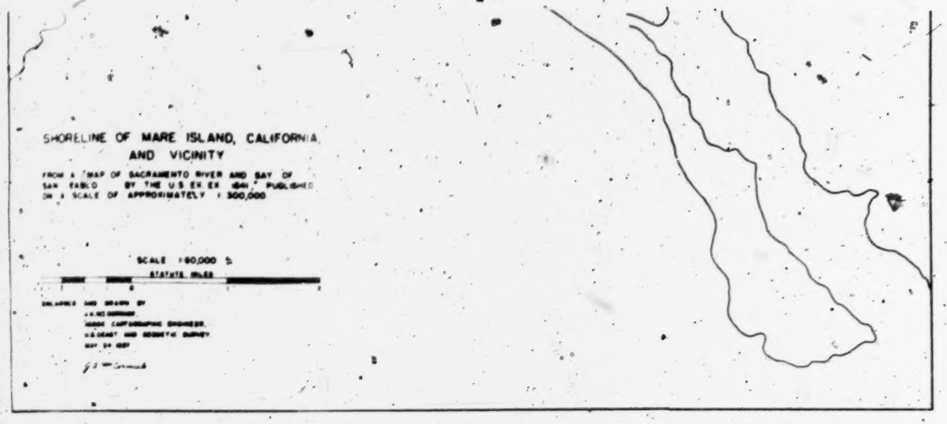


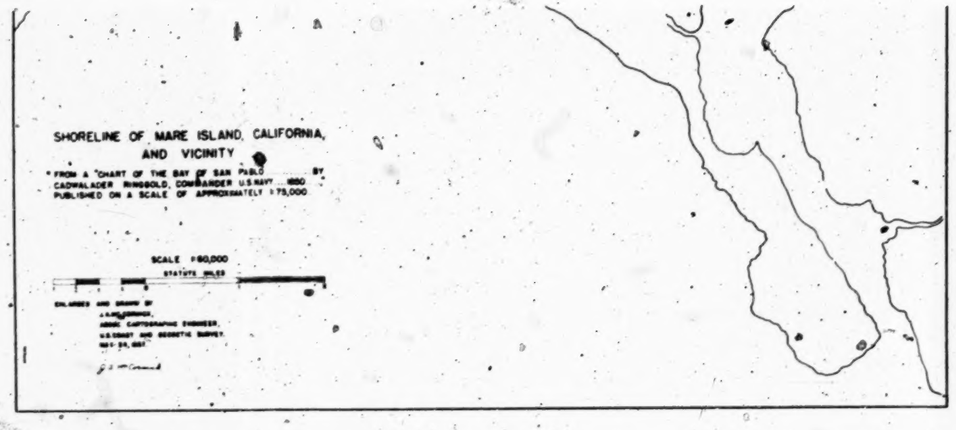


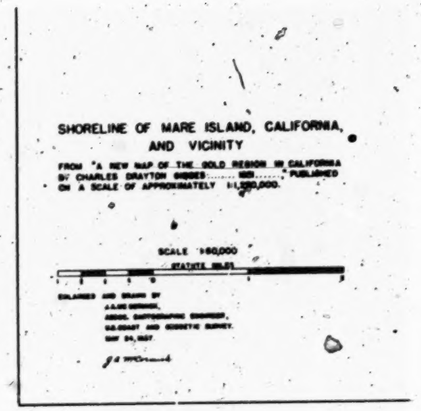


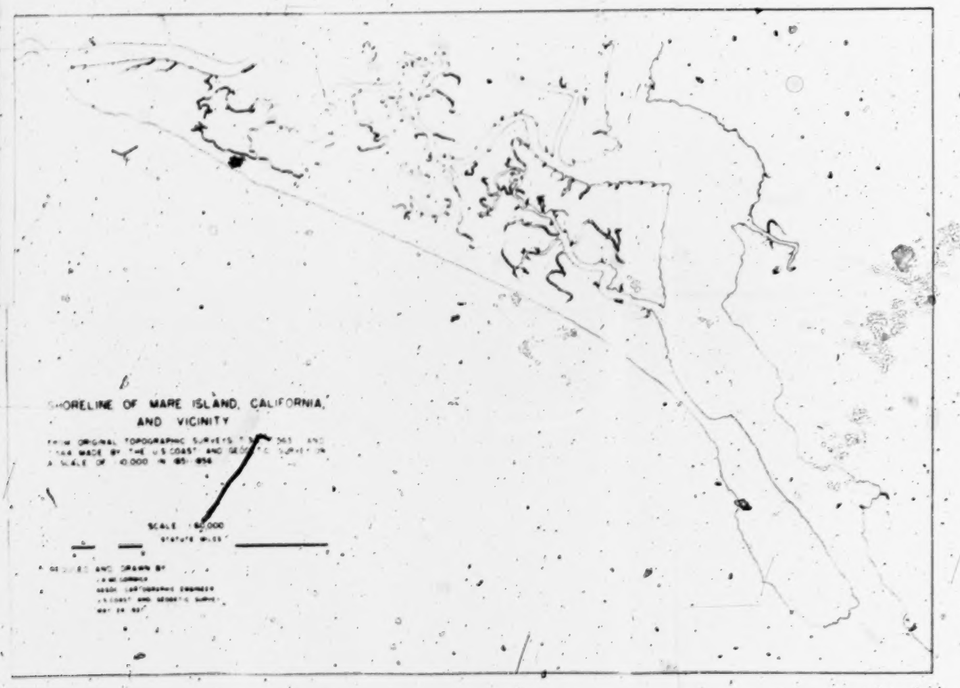


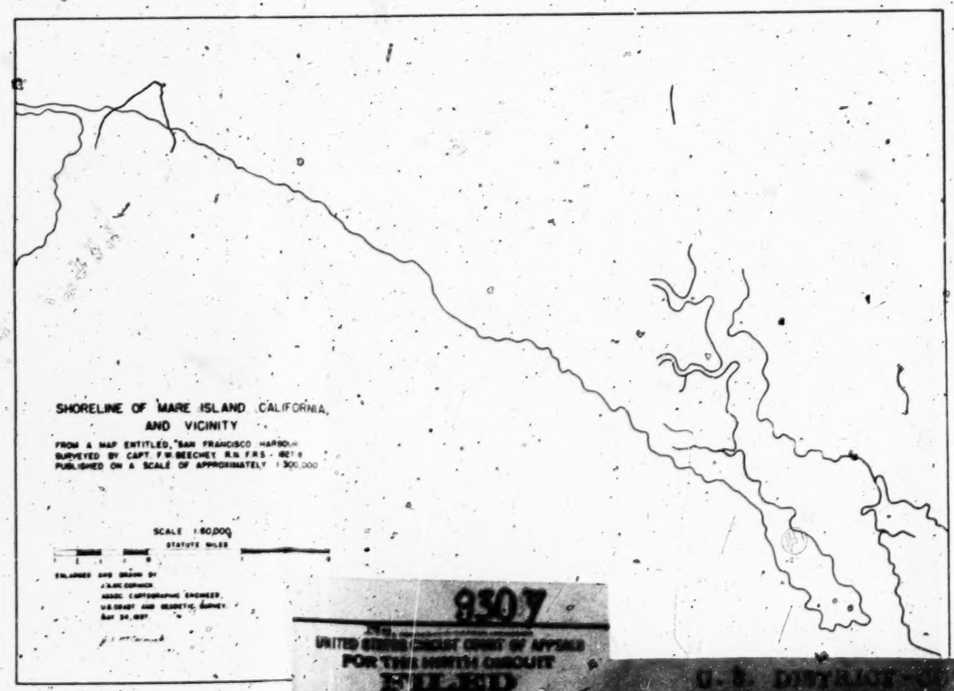
9307
FILED
U.S. DISTRICT COURT

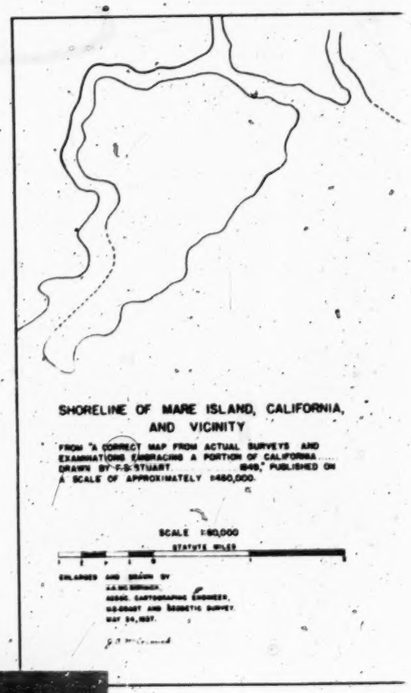












9307
UNITED STATES COURT OF APPEALS
FOR THE NINTH CIRCUIT
FILED
APR 29 196
PAUL P. O'BRIEN
U. S. DISTRICT COURT

SHORELINE OF MARE ISLAND, CALIFORNIA,
AND VICINITY

FROM A "CHART OF THE BAY OF SAN PABLO ... 1850 ... BY CADWALADER RINGGOLD, COMMANDER U.S.NAVY ... 1850 ... PUBLISHED ON A SCALE OF APPROXIMATELY 1:75,000

SCALE 1:80,000
STATUTE MILES

ENLARGED AND DRAWN BY
J.A.DIX CERVINO,
ASSOC. CARTOGRAPHIC ENGINEER,
U.S.COAST AND GEODETIC SURVEY
MAY 24, 1937.

SHORELINE OF MARE ISLAND, CALIFORNIA,
AND VICINITY.

FROM "A NEW MAP OF THE GOLD REGION IN CALIFORNIA BY CHARLES DRAYTON GIBBES ..... 1850 ....." PUBLISHED ON A SCALE OF APPROXIMATELY 1:1,250,000.

SCALE 1:80,000
STATUTE MILES

ENLARGED AND DRAWN BY
J.A.DIX CERVINO,
ASSOC. CARTOGRAPHIC ENGINEER,
U.S.COAST AND GEODETIC SURVEY
MAY 24, 1937.

SHORELINE OF MARE ISLAND, CALIFORNIA,
AND VICINITY.

FROM A MAP ENTITLED, "SAN FRANCISCO HARBOR ... SURVEYED BY CAPT F.W.BEECHEY R.N. F.R.S. 1827 ... PUBLISHED ON A SCALE OF APPROXIMATELY 1:30,000

SCALE 1:80,000
STATUTE MILES

ENLARGED AND DRAWN BY
J.A.DIX CERVINO,
ASSOC. CARTOGRAPHIC ENGINEER,
U.S.COAST AND GEODETIC SURVEY
MAY 24, 1937.

SHORELINE OF MARE ISLAND, CALIFORNIA,
AND VICINITY

FROM "A CORRECT MAP FROM ACTUAL SURVEYS AND EXAMINATIONS EMBRACING A PORTION OF CALIFORNIA DRAWN BY F.D.STUART ... 1849," PUBLISHED ON A SCALE OF APPROXIMATELY 1:480,000.

SCALE 1:80,000
STATUTE MILES

ENLARGED AND DRAWN BY
J.A.DIX CERVINO,
ASSOC. CARTOGRAPHIC ENGINEER,
U.S.COAST AND GEODETIC SURVEY
MAY 24, 1937.

9307
UNITED STATES CIRCUIT COURT OF APPEALS
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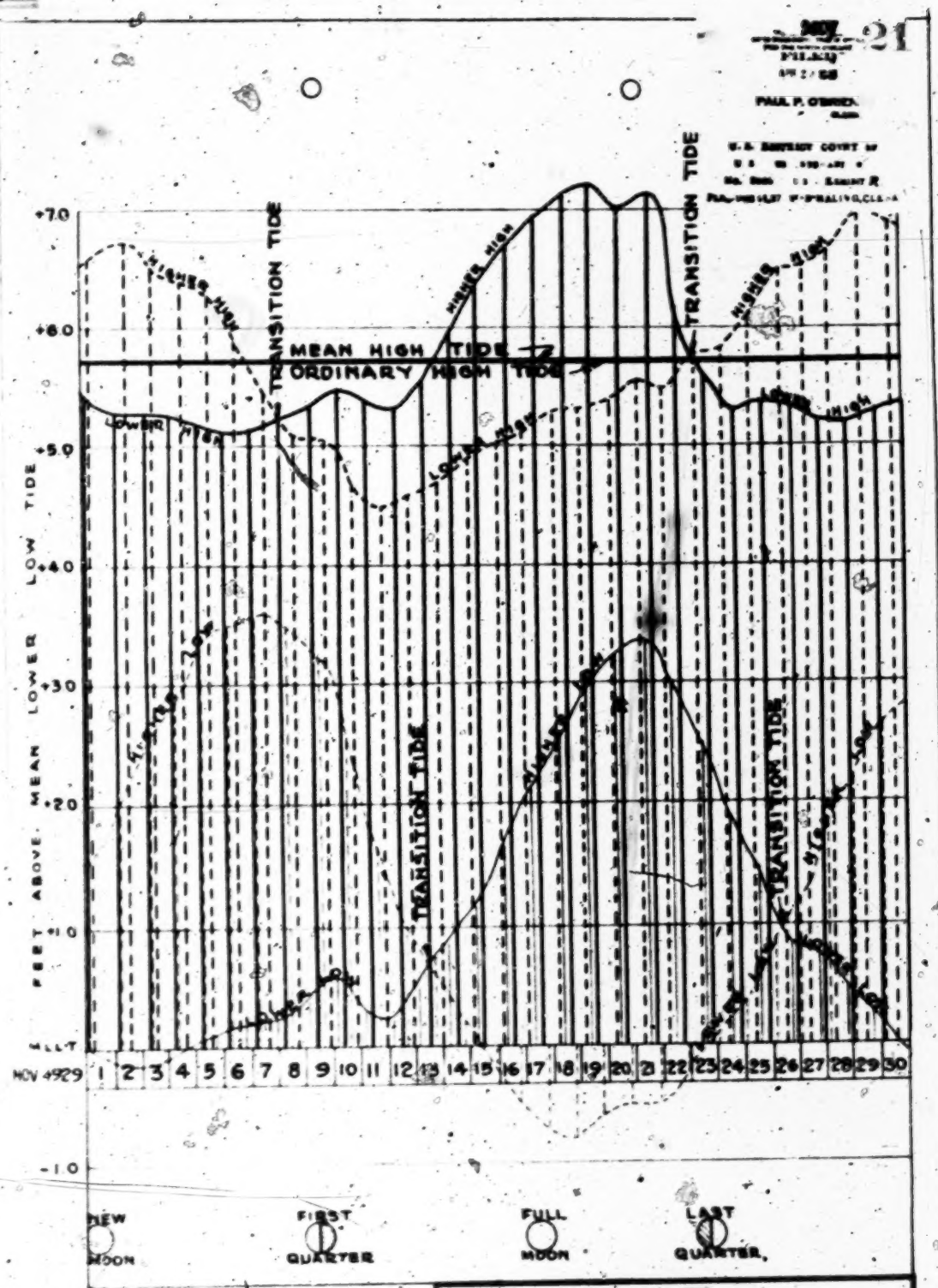
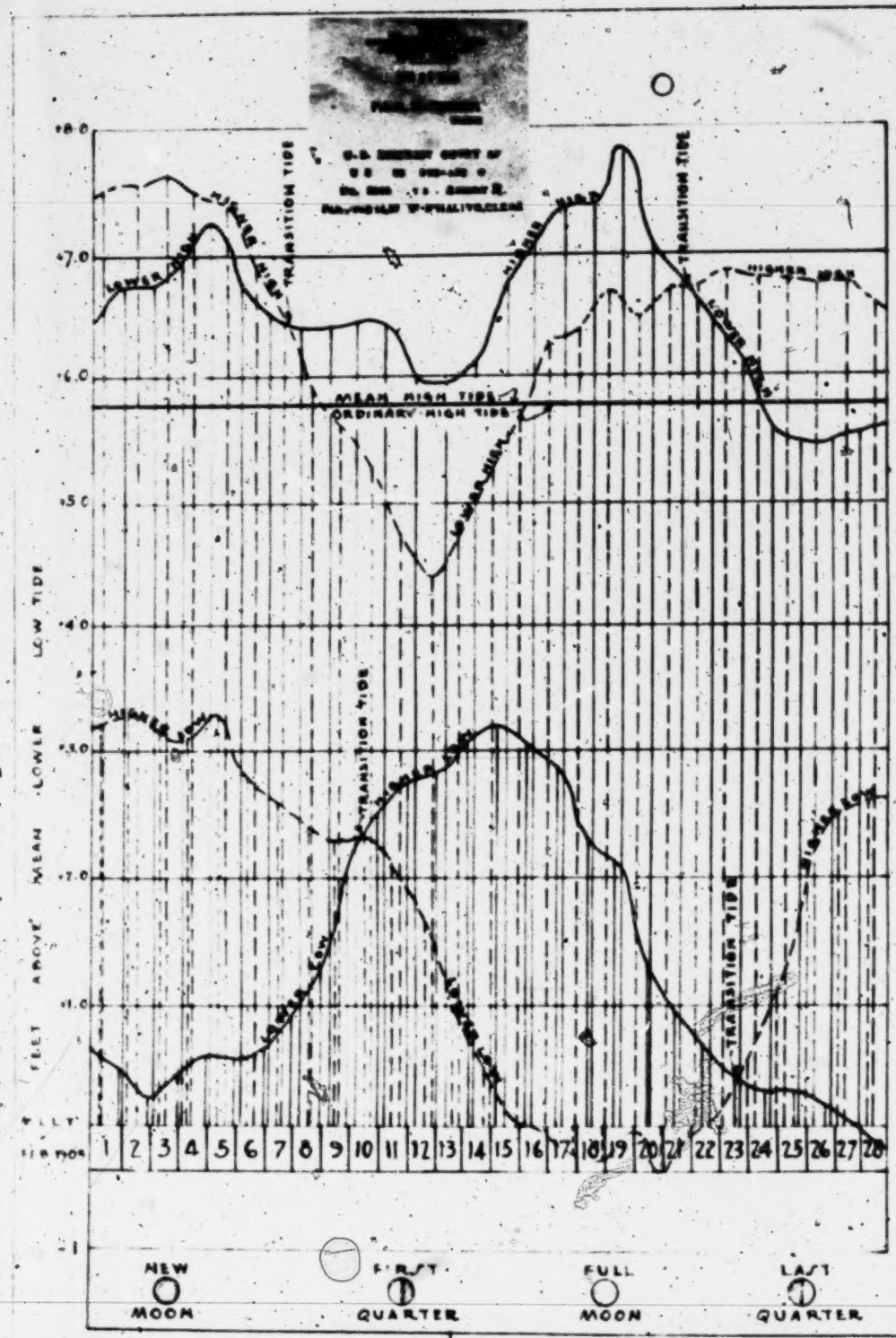


NOTE:-
Month selected because its tides were close to long-time-average elevations

PLATE V
TIDAL REGIMEN
MARE ISLAND STRAIT
For the representative month of
NOVEMBER 1929
(as recorded on the automatic tide gauge)
AT THE CAUSEWAY NORTH OF THE MACHINE SHOP (STEAM ENGG BLDG.)

Compiled & Drawn by
John P. Streetman
Associate Civil Engineer
Navy Yard, Mare Island, Calif

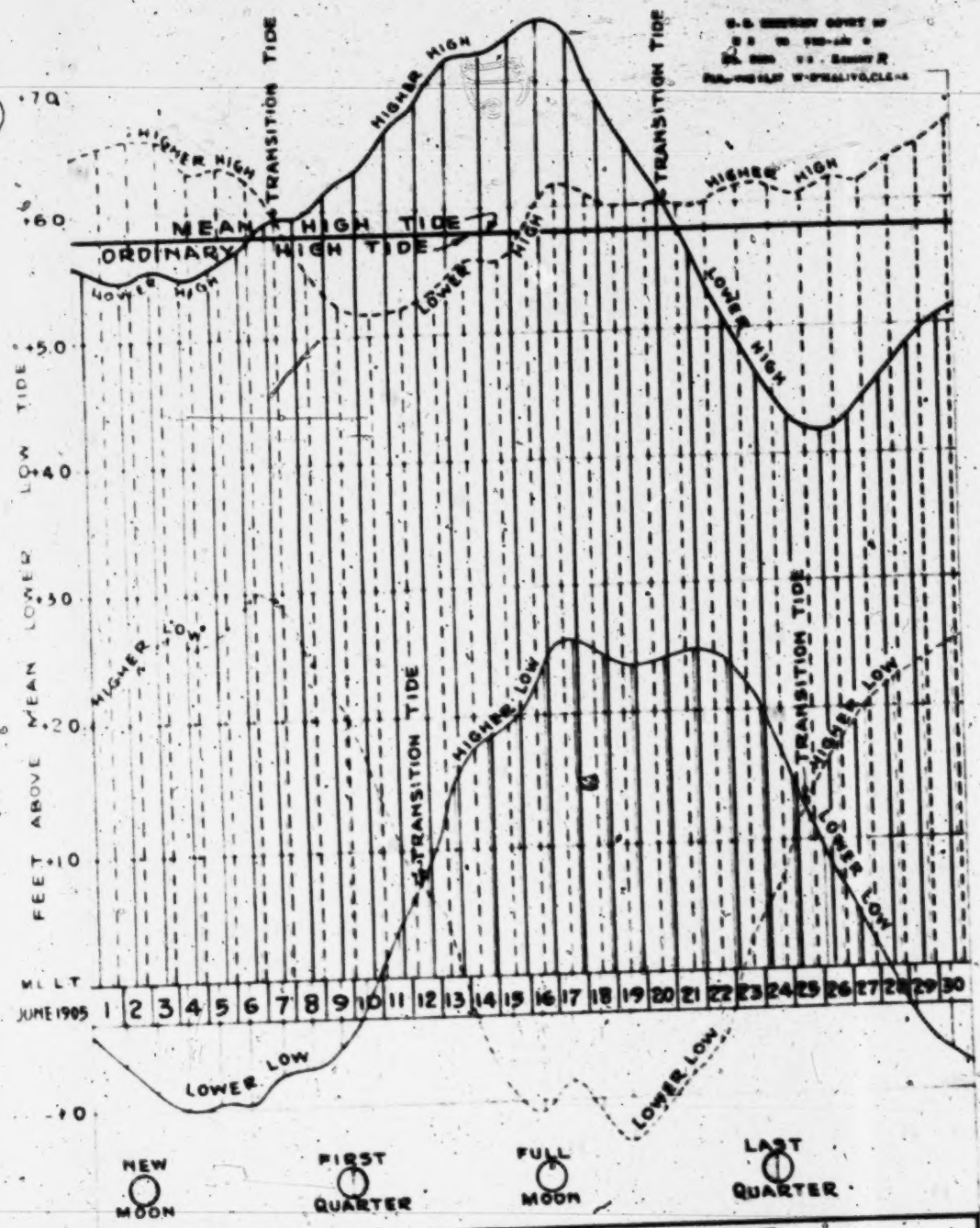
Under Direction of
C. A. Carlson
Captain, C.E.C., U.S. Navy
of the Bu. of Y. & D. Navy Dept. Wash. D.C.



NOTE:-
YEAR selected because prior to construction of training dikes in Mare Island Strait
MONTH Selected because of unusually High Tides

PLATE VI
TIDAL REGIMEN
MARE ISLAND STRAIT
For the Rainy Season Month of
FEBRUARY 1905
as recorded on the automatic tide gauge
AT THE CAUSEWAY NORTH OF THE
MACHINE SHOP (STEAM ENG'G. BLDG)

Compiled & Drawn by - John F. Greenhead Associate Civil Engineer Navy Yard, Mare Island Calif.	Under Direction of C. A. Carlson Captain C.E. U.S. Navy of the Bu. of Y. & D. Navy Dept. Wash. D.C.

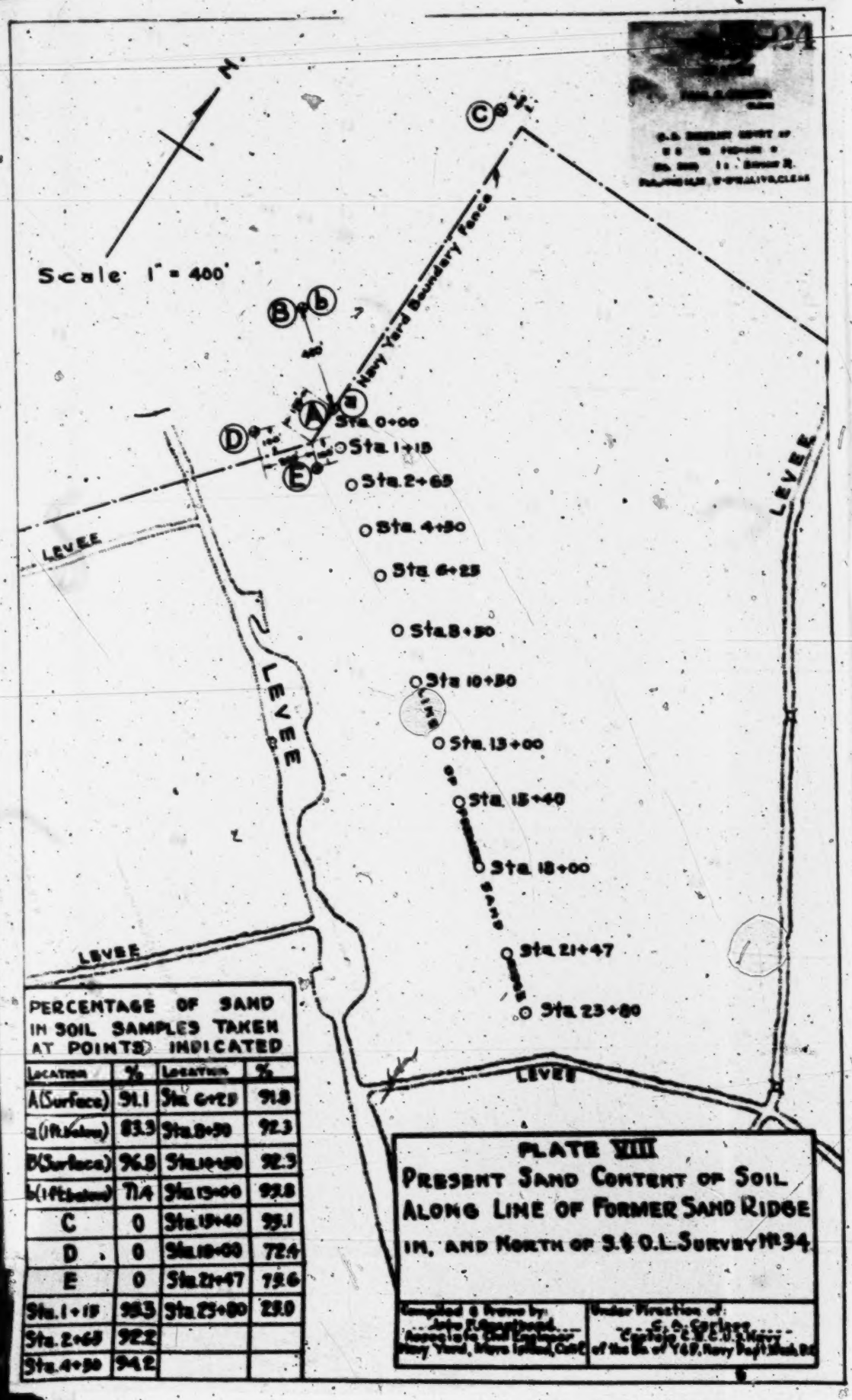


NOTE :-
YEAR selected because prior to construction of training dikes in Mare Island Strait
MONTH Selected because of unusually low Tides

PLATE VII
TIDAL REGIMEN
MARE ISLAND STRAIT
For the Dry Season Month of
JUNE 1905
as recorded on the automatic tide gauge
AT THE CAUSEWAY NORTH OF THE MACHINE SHOP (STEAM ENGG. BLDG.)

Compiled & Drawn by
John F Greathead
Associate Civil Engineer
Navy Yard Mare Island Calif

Under Direction of
C. A Carlson
Captain C.E.C. U.S.Navy
of the Bu of Y&D Navy Dept Washington D.C.



PERCENTAGE OF SAND IN SOIL SAMPLES TAKEN AT POINTS INDICATED

Location	%	Location	%
A (Surface)	91.1	Sta. 6+23	91.8
a (1 ft. below)	83.3	Sta. 8+30	92.3
B (Surface)	96.8	Sta. 10+30	92.3
b (1 ft. below)	71.4	Sta. 13+00	93.8
C	0	Sta. 15+40	95.1
D	0	Sta. 18+00	72.4
E	0	Sta. 21+47	79.6
Sta. 1+18	98.3	Sta. 23+80	23.0
Sta. 2+68	92.2		
Sta. 4+30	94.2		

PLATE VIII

PRESENT SAND CONTENT OF SOIL ALONG LINE OF FORMER SAND RIDGE IN, AND NORTH OF S.F.O.L. SURVEY No. 34

Compiled & Drawn by: John F. Eggenhoff, Assoc. Inst. Engineer, Navy Yard, Mare Island, Calif.

Under Direction of: C. A. Carlson, Capt. C.E.C.U.S.Navy, of the Bu. of Y. & D. Navy Dept. Wash. D.C.

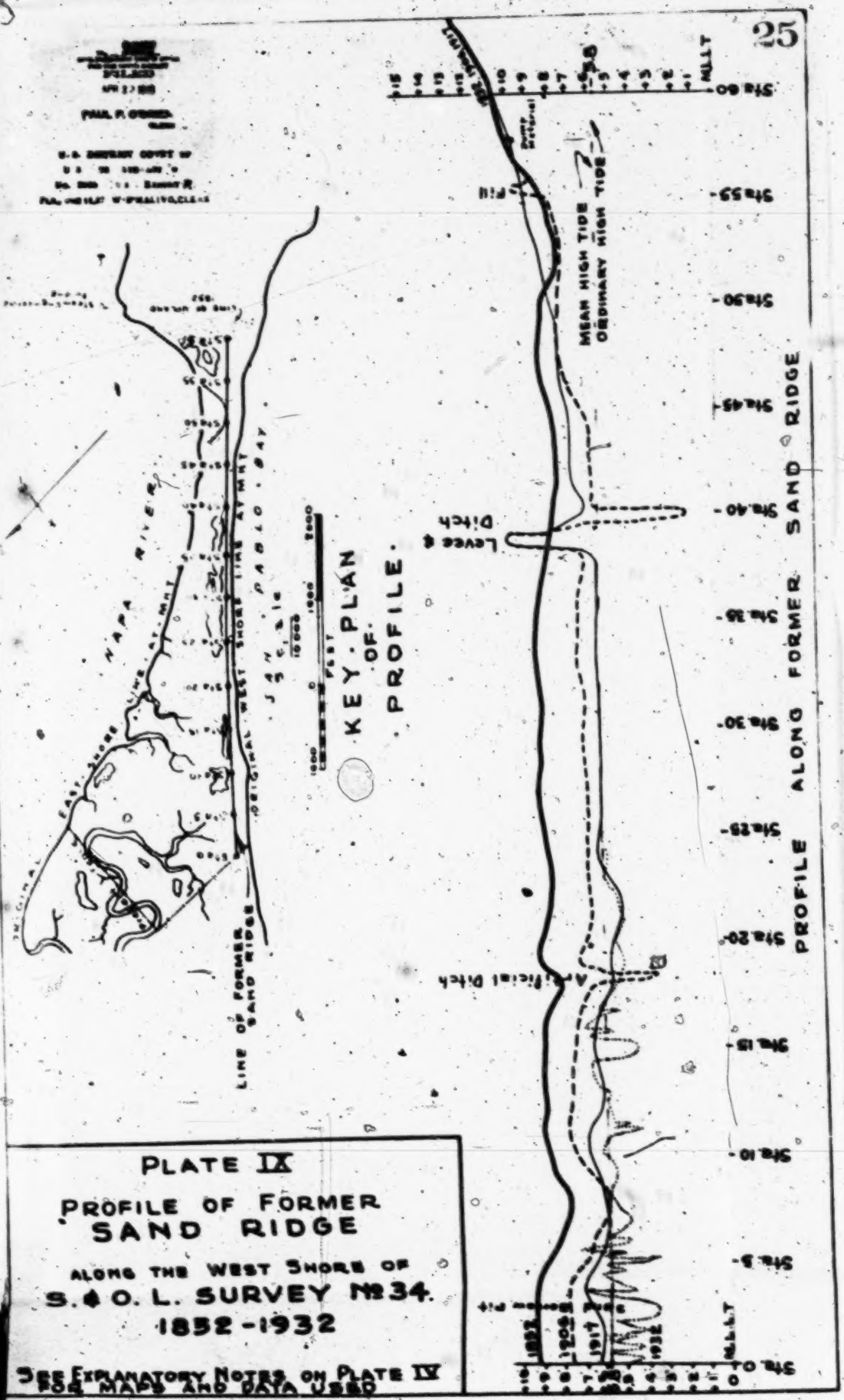


PLATE IX

PROFILE OF FORMER SAND RIDGE

ALONG THE WEST SHORE OF

S. & O. L. SURVEY No 34.

1852 - 1932

SEE EXPLANATORY NOTES ON PLATE IV FOR MAPS AND DATA USED

SAN PABLO BAY

BAY

1907

FILED

APR 2 7 '08

PAUL P. O'BRIEN

NOTE

Contours show the average elevation of the ground surface

T

U

L

E

S

MARE ISLAND STRAIT

DISTRICT
9507
FILED
APR 27 1908
PAUL P. O'BRIEN

Note

Contours show the average elevation of the ground surface above a zero datum plane which is 1000 ft below the mean of the lower low waters, or 1185 ft below the coping of the Steam Drydock at Mare Island Navy Yard

L E S

AIT

DUTCHMANS SLOUGH

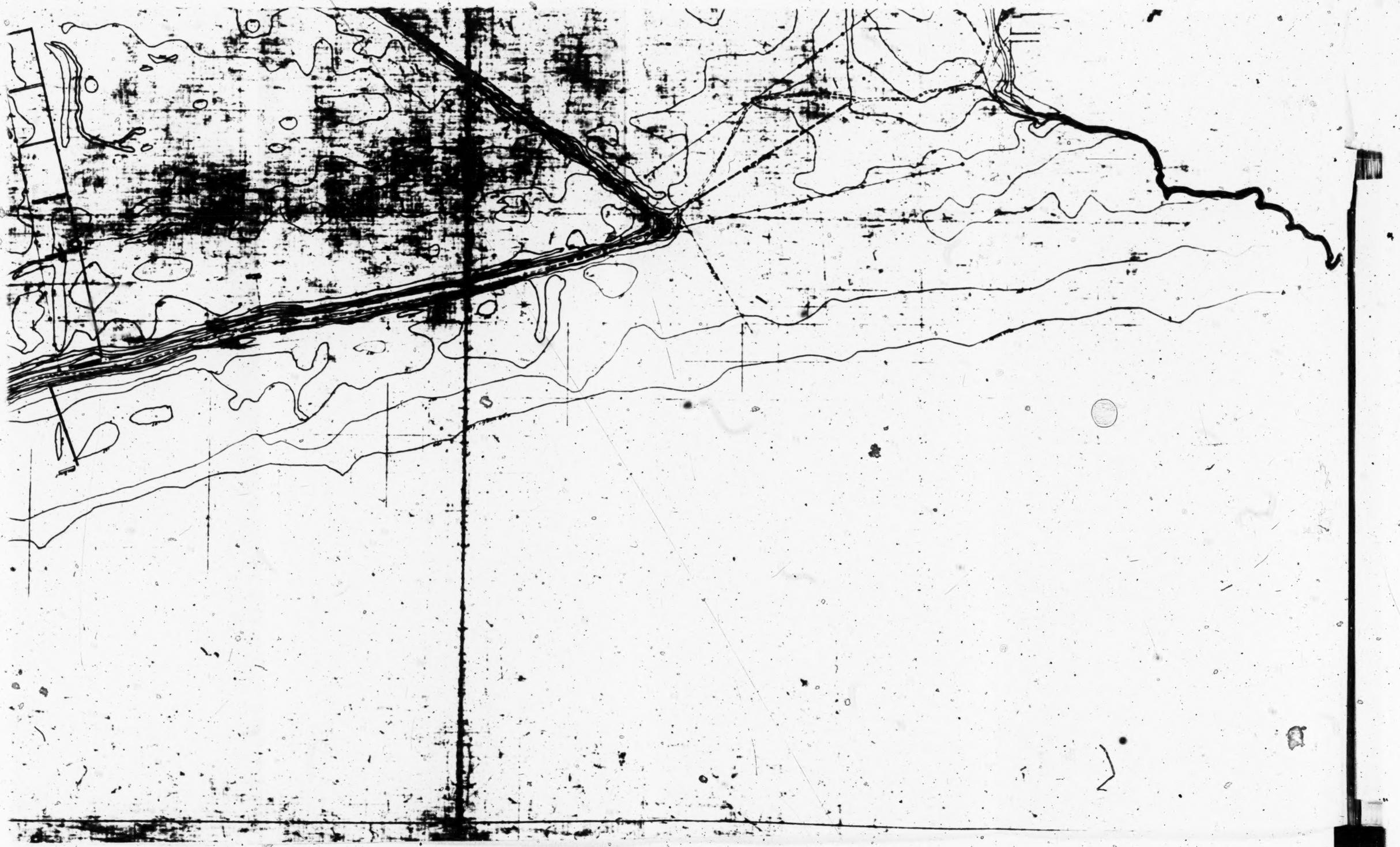
C-188

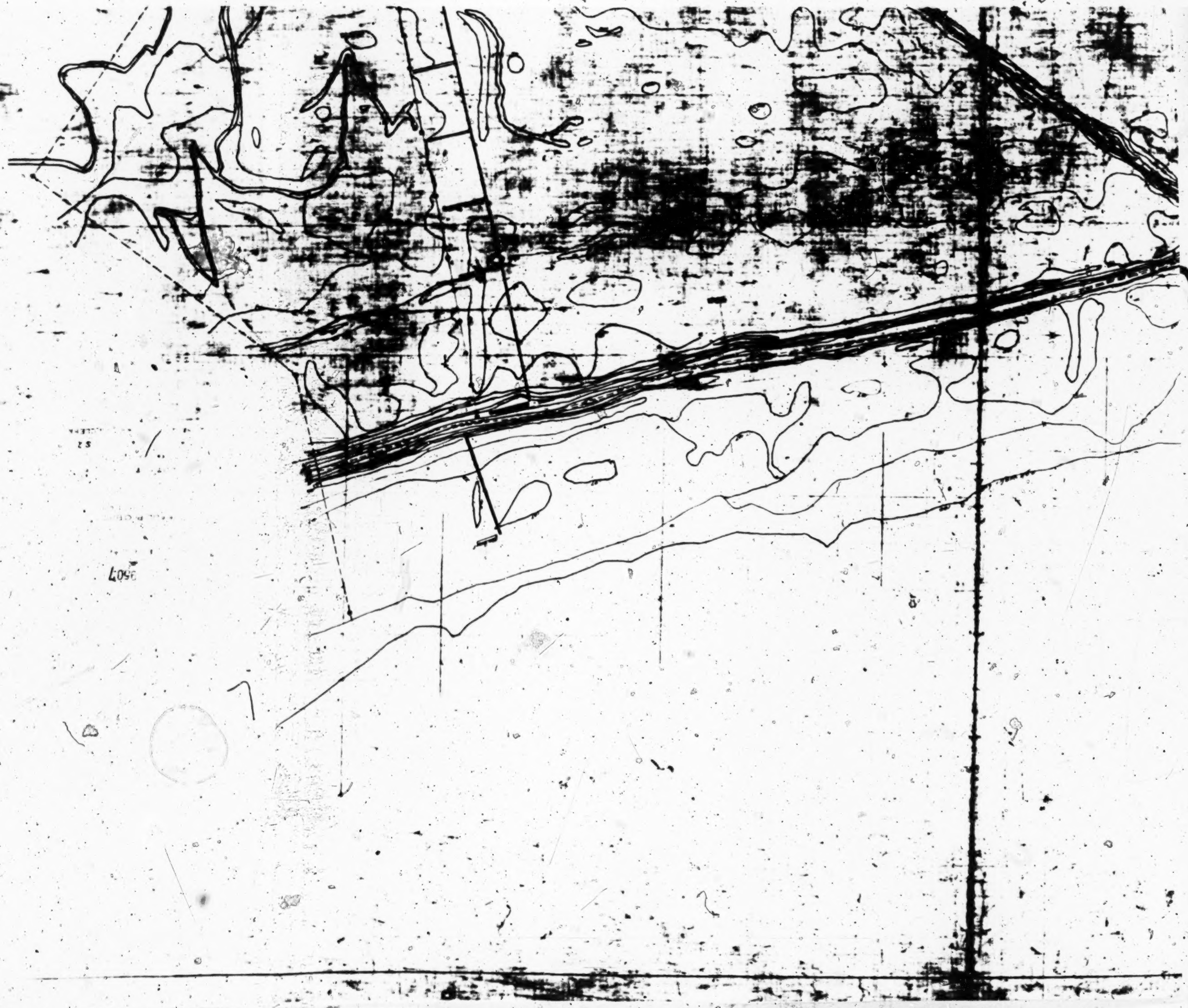
Fm 806 | F-38

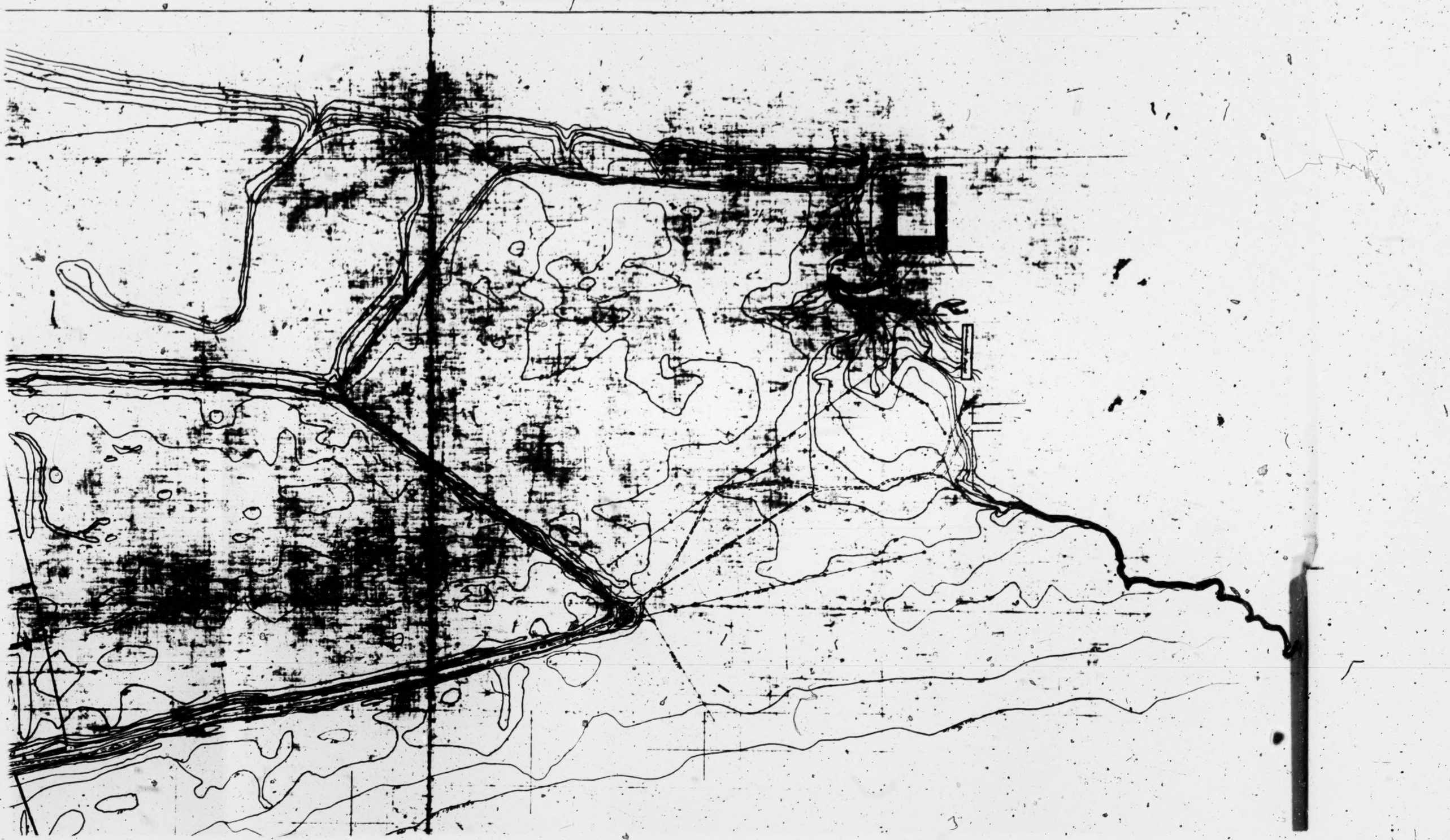
MAP OF MARE ISLAND
DETAILED
STEAM ENGINEERING BUILDINGS
AND
SWAMP AND OVERFLOWED LAND SURVEY
No 569
DEPT OF Y & D
U.S. NAVY YARD, MARE ISLAND, CAL.

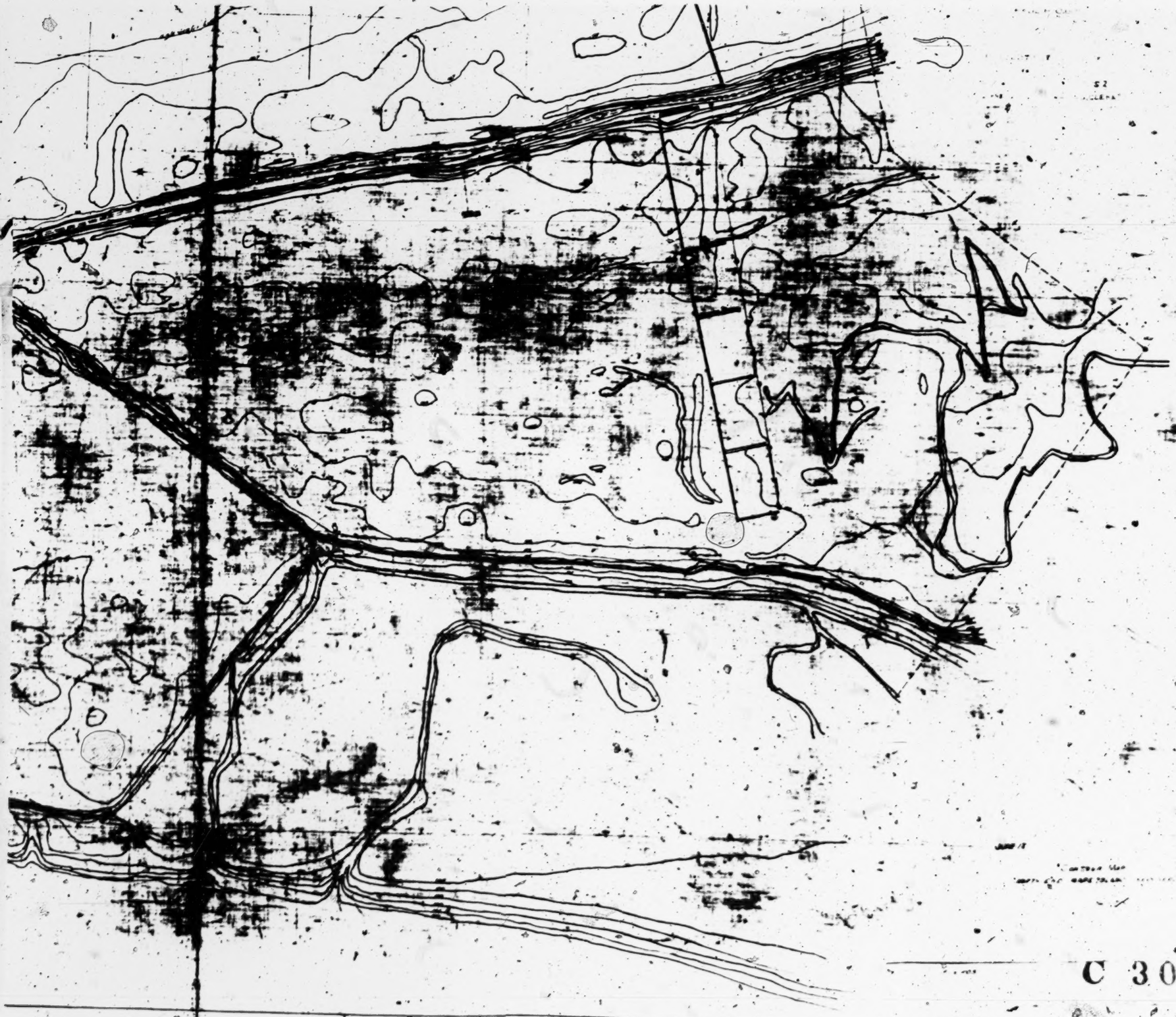
SCALE 1-200

C-188









C 30

SAN PABLO BAY

NAPA RIVER

STATION 2

+5.8 Mean High Tide
+5
+4
+3
+2
+1
MLLT

LEVEE | SAND RIDGE | Slough | Slough | Slough | LEVEE

1852
1906
1917
1931

ORIGINAL TIDELAND | ORIGINAL LOWLAND | TIDELAND

1500 1000 500 0 500 1000 1500 2000 2500

STATION 6+20

+5.8 Mean High Tide
MLLT

LEVEE | SAND RIDGE | LEVEE

1852
1906
1917
1931

ORIGINAL TIDELAND | ORIGINAL LOWLAND | TIDELAND

STATION 10+40

+5.8 Mean High Tide
MLLT

LEVEE | SAND RIDGE | Pond | LEVEE

1852
1906
1917
1931

ORIGINAL TIDELAND | ORIGINAL LOWLAND | ORIGINAL TIDELAND

STATION 13

+5.8 Mean High Tide
MLLT

LEVEE | SAND RIDGE | Pond | Firing Point | Firing Point | Firing Point | LEVEE

1852
1906

ORIGINAL TIDELAND | ORIGINAL LOWLAND | ORIGINAL TIDELAND

STATION 19

+5.8 Mean High Tide
MLLT

LEVEE | SAND RIDGE | LEVEE

1852
1906

ORIGINAL TIDELAND | ORIGINAL LOWLAND | ORIGINAL TIDELAND

STATION 21+50

+5.8 Mean High Tide
MLLT

LEVEE | SAND RIDGE | LEVEE

1852
1906

ORIGINAL TIDELAND | ORIGINAL LOWLAND | ORIGINAL TIDELAND

STATION 24

+5.8 Mean High Tide
MLLT

LEVEE | SAND RIDGE | Pond | LEVEE

1852
1906

ORIGINAL TIDELAND | ORIGINAL LOWLAND | ORIGINAL TIDELAND

+5.8 Mean High Tide

LEVEE | SAND RIDGE | Pond | LEVEE

STATION
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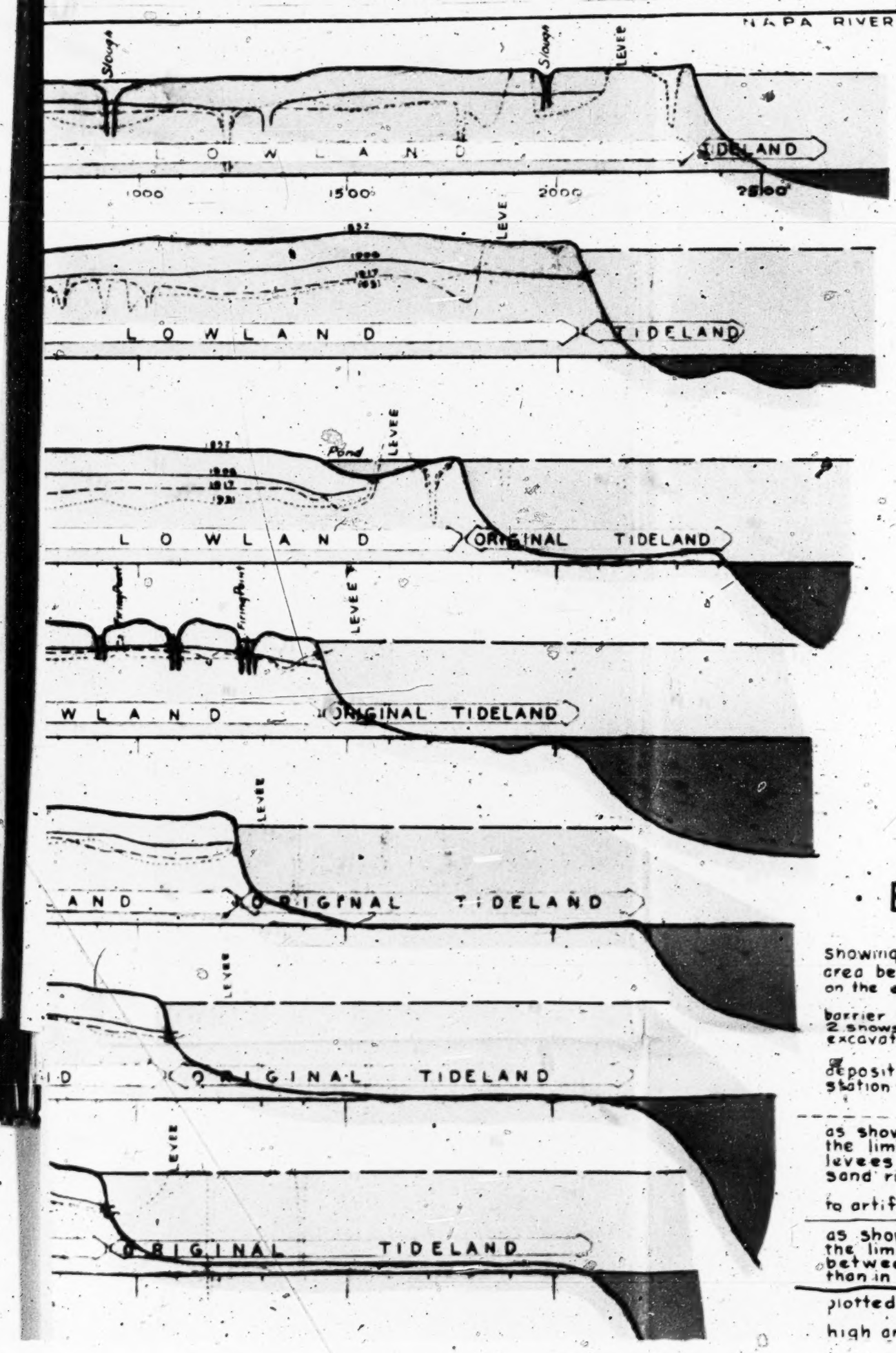
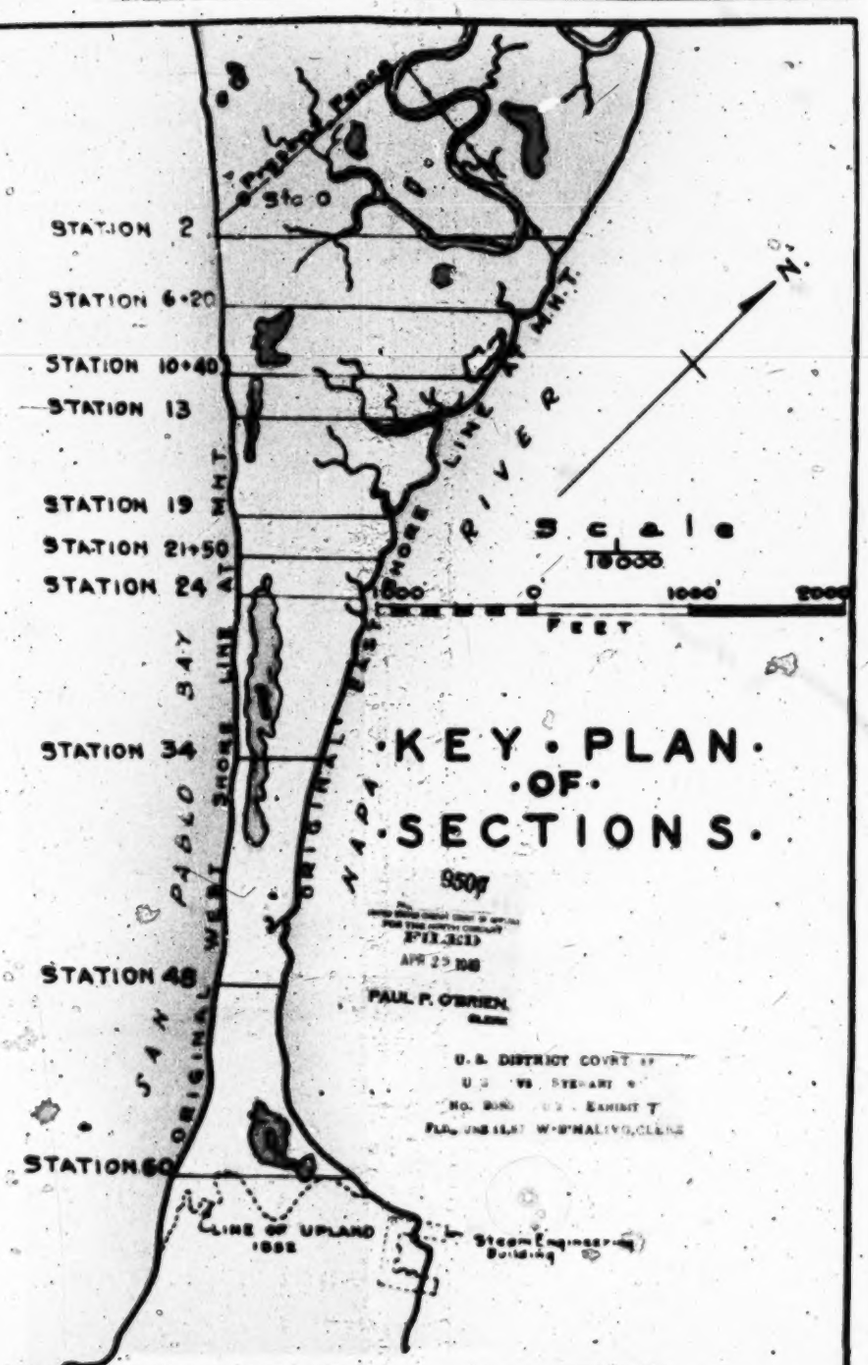
STATIONS

EXPLAN

1931
showing present elevati
area between levees as
on the east and west sic
Trace
barrier on the San Pablo B
2 shows the disturbed
excavation of sand at t
Area
deposit of spoil from c
station 48 is represent
NOTE
1917C
as shown on P.W. Map R-
the limits of the origi
levees lies at a highe
sand ridge is longer
Stat
to artificial fill.
1906
as shown on P.W. Map R
the limits of the orig
between the levees
than in either 1917 or
1852
plotted as follows:
(a) T





EXPLANATORY NOTES

1931 CROSS-SECTIONS – From a recent survey showing present elevation of land. Note sunken condition of the area between levees as compared to the normal height of accretions on the east and west side.

Traces still remain of the original sand ridge or barrier on the San Pablo Bay side. The irregular profile of station 2 shows the disturbed condition of the surface due to recent excavation of sand at that point.

Area south of station 24 has been used for deposit of spoil from channel dredging. A cross-section at station 48 is representative for all of the sections in this area. NOTE that fill covers largely original tide lands.

1917 CROSS-SECTIONS – From a former survey as shown on P.W. Map R-304 (C-304) of June 1917. Plotted within the limits of the original shore lines of 1852. Area between levees lies at a higher elevation than in 1931. Trace of sand ridge is longer and more prominent than in 1931. Station 48 shows an abnormal elevation due to artificial fill.

1906 CROSS-SECTIONS – From a former survey as shown on P.W. Map R-188 (C-188) of Feb. 1906. Plotted within the limits of the original shore lines of 1852. The area between the levees is found to have been higher in 1906 than in either 1917 or 1931.

1852 CROSS-SECTIONS – These have been plotted as follows:

(a) The shore lines and elevations between high and low water lines have been plot[illegible]

M.L.L.T.

ORIGINAL TIDELAND | ORIGINAL LOWLAND | ORIGINAL TIDELAND

SAND RIDGE

LEVEE

+5.8 Mean High Tide

STATION 19

ORIGINAL TIDELAND | ORIGINAL LOWLAND | ORIGINAL TIDELAND

STATION 21+50

ORIGINAL TIDELAND | ORIGINAL LOWLAND | ORIGINAL TIDELAND

Pond

STATION 24

ORIGINAL TIDELAND | ORIGINAL LOWLAND | ORIGINAL TIDELAND

STATION 34

ORIGINAL TIDELAND | ORIGINAL LOWLAND | ORIGINAL TIDELAND

STATION 48

ORIGINAL TIDELAND | ORIGINAL LOWLAND | ORIGINAL TIDELAND

Elev. of line marked "SHORE LINE-1865" (on 1906 Map R-188)

Elevation of Line of Uplands, 1852 (See KEY PLAN)

STATION 60 (Note Scale Variation)

ORIGINAL TIDELAND | ORIGINAL LOWLAND | ORIGINAL TIDELAND

+5.8 +5 +4 +3 +2 +1

1500 1000 500 0 500 1000

+8.9 Extreme High Tide (Storm of 1914 Dec. 22 1921)

+6.6 Spring High Tide (Twice per Lunar Month)

+5.8 Mean High Tide (Average of all high tides 1925-1929)

+5.3 Mean High Tide (Average of all Tides per Lunar Month)

1852 1917 1931

100

STATION 60

· EXPLANAT

1931 CRO

showing present elevation o

area between levees as con

on the east and west side

Traces st

barrier on the San Pablo Bay s

2 shows the disturbed cond

excavation of sand at that p

Area so

deposit of spoil from chann

station 48 is representative

NOTE that

1917 CROS

as shown on P.W. Map R-304

the limits of the original s

levees lies at a higher e

sand ridge is longer and

Station

to artificial fill.

1906 CR

as shown on P.W. Map R. 188

the limits of the original

between the levees is

than in either 1917 or 1931

1852 CR

plotted as follows:

(a) The

high and low water lines

U.S.C. & G.S. Chart and from

(Exhibits L-20 and L-21)

(b) The

features are taken from the

The 1906 cross-Sections

found to retain correspond

drainage features.

Therefor

parallel to the 1906 profil

(c) It wil

unreclaimed low and tule la

elevation at least (1.4)

Pablo Side and .67 of

Napa River or east side

was also noted by the Slo

tule land east of the highlan

or barrier has been averaged

elevation of .67 of a foot

represents the lowest possib

east of the barrier or ridge

(d) A min

sand ridge has been deriv

section shown on the earl

defendants exhibit No 4).

all cross-sections restore

sand ridge to the shore li

RE -

Cross Secti

Elevation

Elevation

RE - ENLARG

1. Portion ir

scale to make clearer the relat

to the crest.

2. Irregulari

sand excavation.

PLA

·PHYSICAL·CHANG

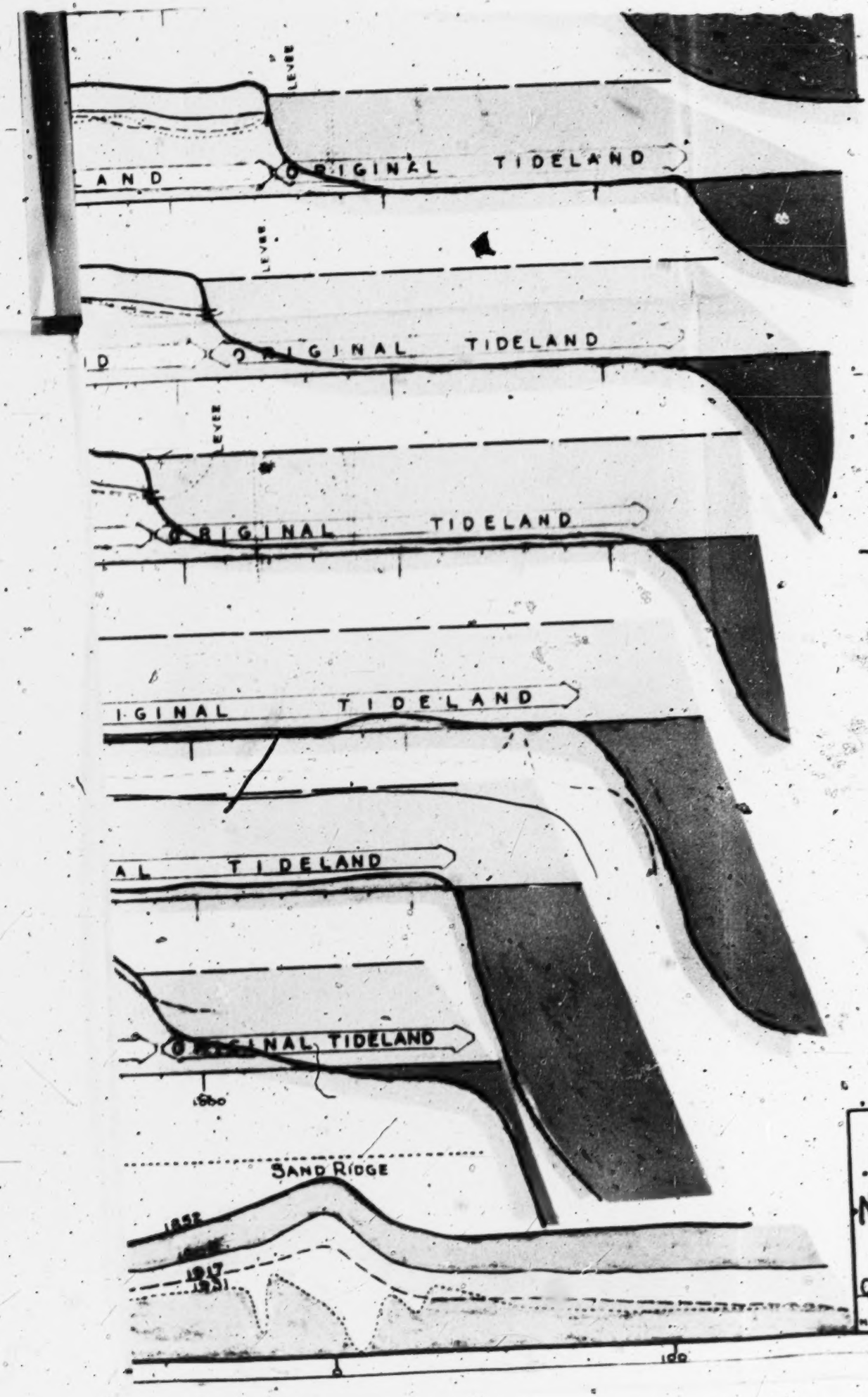
·NORTH·OF·THE·UPLAN

·FROM·1

CROSS·SECTIONS·TAKEN·FROM·ACT

Surveyed and Plotted by U.S. Geological Survey

Navy Yard, Mare Island, Calif. August 1931



· EXPLANATORY · NOTES ·

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1852 CROSS-SECTIONS – These have been plotted as follows:

(a) The shore lines and elevations between high and low water lines have been plotted from Alden's 1856 U.S.C. & G.S. Chart and from the replotting of the original notes (Exhibits L-20 and L-21).

(b) The locations of sloughs, ponds and drainage features are taken from the 1851-8 surveys of U.S.C. & G.S. The 1906 cross-sections, although lower in elevation, were found to retain corresponding locations of sloughs, ponds and drainage features.

Therefore, the 1852 profile has been drawn parallel to the 1906 profile.

(c) It will be noted on every section that the unreclaimed low and tule land outside the levees builds up to an elevation at least (1.4) of a foot on the west or the San Pablo side and .67 of a foot above mean high waters on the Napa River or east side. The latter elevation of .67 of a foot was also noted by the Sloat Board of 1852 with respect to the tule land east of the highlands. The area east of the sand ridge or barrier has been averaged in the 1852 cross-sections at an elevation of .67 of a foot above mean or ordinary high water and represents the lowest possible elevation of the low and tule land east of the barrier or ridge.

(d) A minimum elevation for the crest of the sand ridge has been derived from the least disturbed cross-section shown on the earliest contour survey (Feb. 1906; defendant's exhibit No. 4). The use of this elevation on all cross-sections restores the original relation of the sand ridge to the shore line at mean high water.

RE - STATION 60:
Cross Section thru neck of land in 1852
Elevation of LINE OF UPLANDS 1852
Elevation of SHORE LINE 1852
DATA FROM BORINGS MADE IN 1906

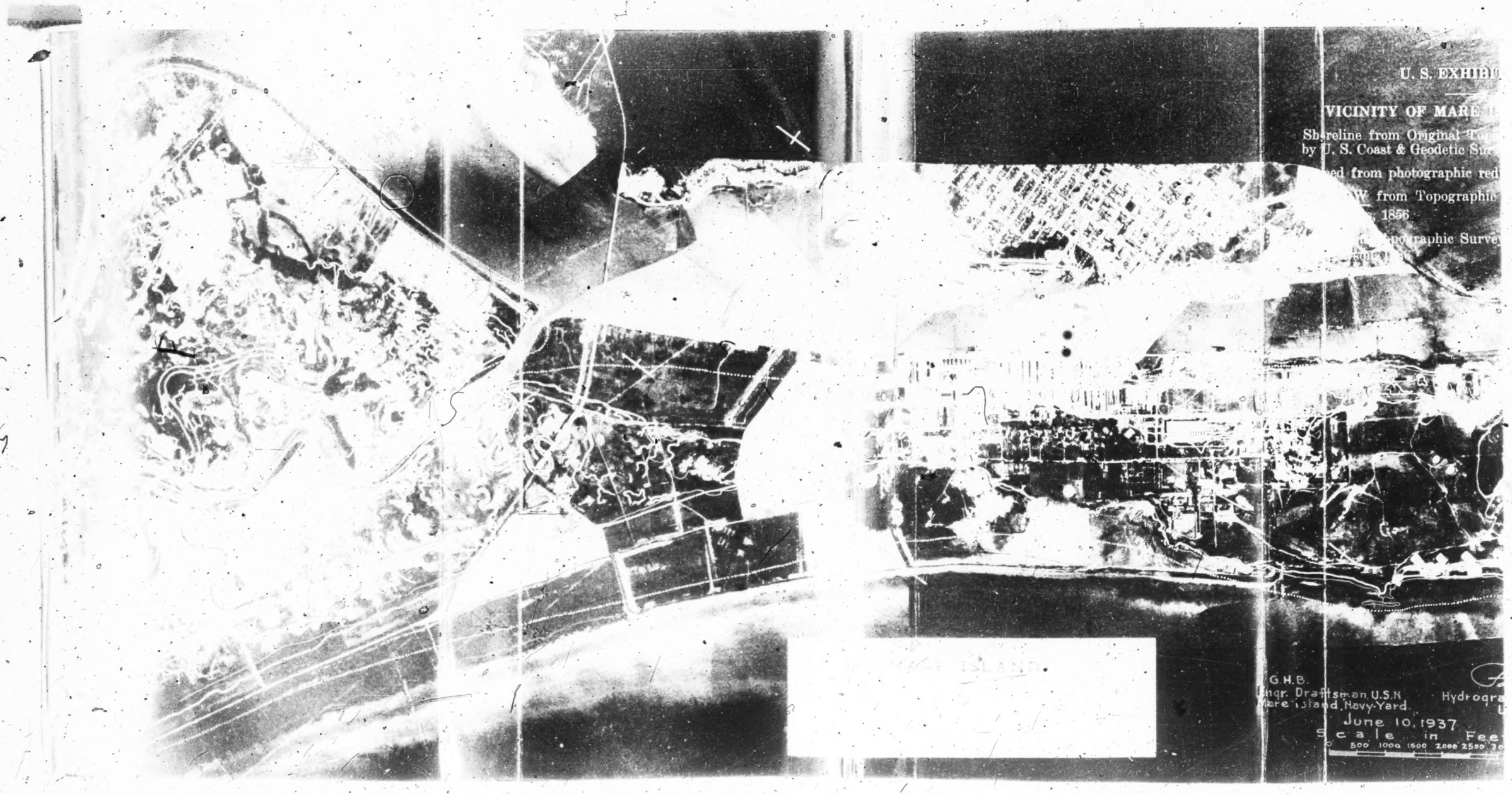
RE - ENLARGED SECTION AT STATION 2:
1. Portion including Sand Ridge redrawn to a larger scale to make clearer the relation of various Tidal Levels (and frequency) to the crest.
2. Irregularity at Sand Ridge in 1931 due to recent sand excavation

PLATE
· PHYSICAL · CHANGES · IN · THE · LOWLANDS · NORTH · OF · THE · UPLANDS · OF · MARE · ISLAND · · FROM · 1852 · TO · 1931 ·

CROSS SECTIONS TAKEN FROM ACTUAL SURVEYS IN 1852 · 1906 · 1917 · 1931

Surveyed and Plotted by [illegible]
Navy Yard, Mare Island, Calif. August 1931

Under direction of: [illegible]
of the Bureau of Yards & Docks, Navy Department, Washington, D.C.


U. S. EXHIBI
VICINITY OF MARE
Shoreline from Original To
by U. S. Coast & Geodetic Sur
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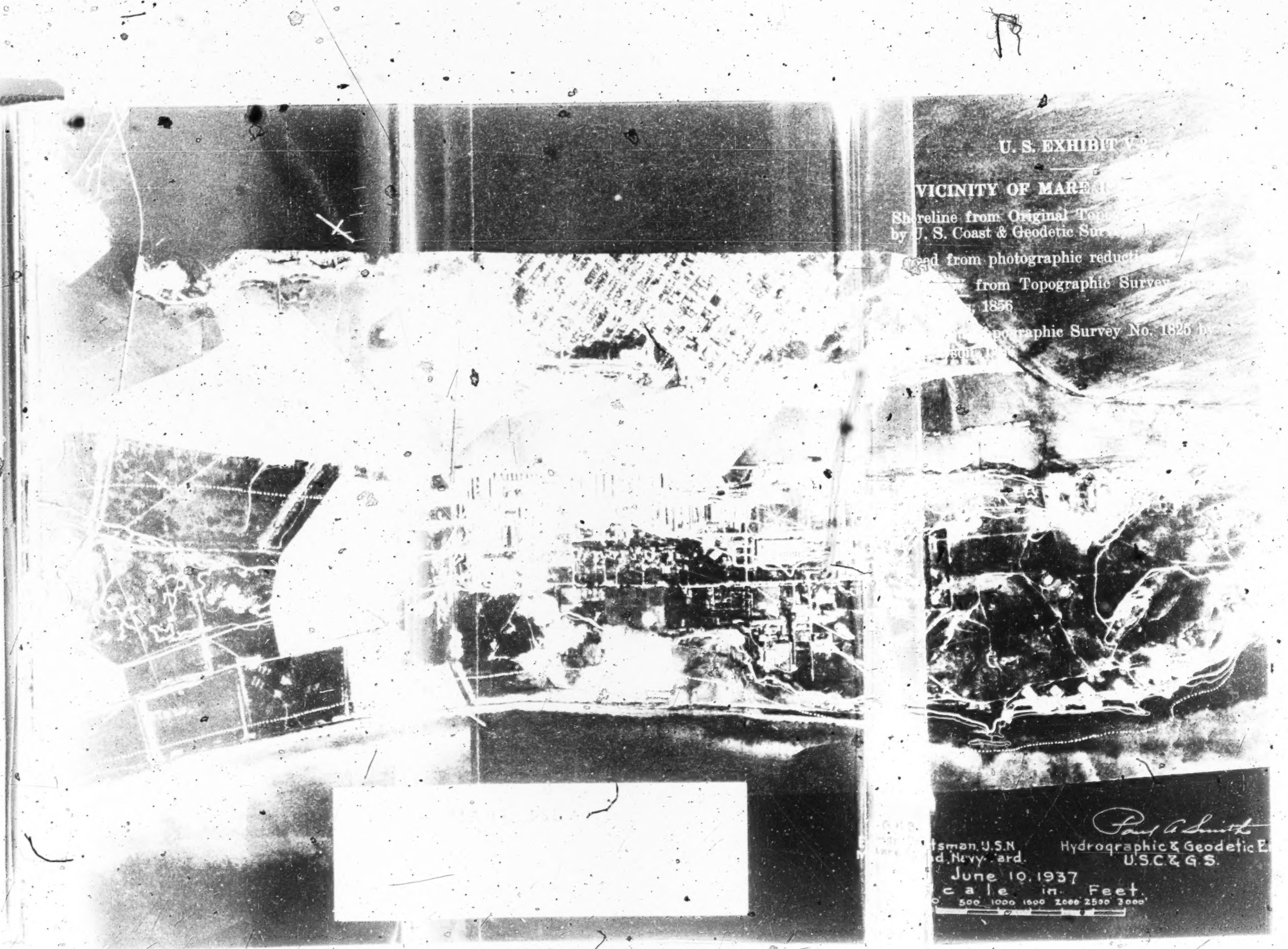
from Topographic
1856
pographic Surve
G.H.B.
Engr. Draftsman, U.S.N.
Mare Island Navy-Yard.
Hydrogra
June 10, 1937
Scale in Fee
0 500 1000 1500 2000 2500 3


U. S. EXHIBIT
VICINITY OF MARE
Shoreline from Original Topo
by U. S. Coast & Geodetic Su
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from Topographic Surve
1856
ographic Survey No. 1825
tsman, U.S.N
d. Navy Yard.
Hydrographic & Geodetic E
U.S.C.&G.S.
June 10, 1937
cale in Feet
500 1000 1500 2000 2500 3000'

Plaintiff's Exhibit W
Map from Bancroft's History

CENTRAL CALIFORNIA IN 1848.

(5)

U.S. EXHIBIT "7"

U. S. COAST AND GEODETIC SURVEY.

F.M.Thorn Superintendent.

Section: X

State: Cal'a.

DESCRIPTIONS OF STATIONS.

LOCALITY

San Pablo Bay
and Vicinity.

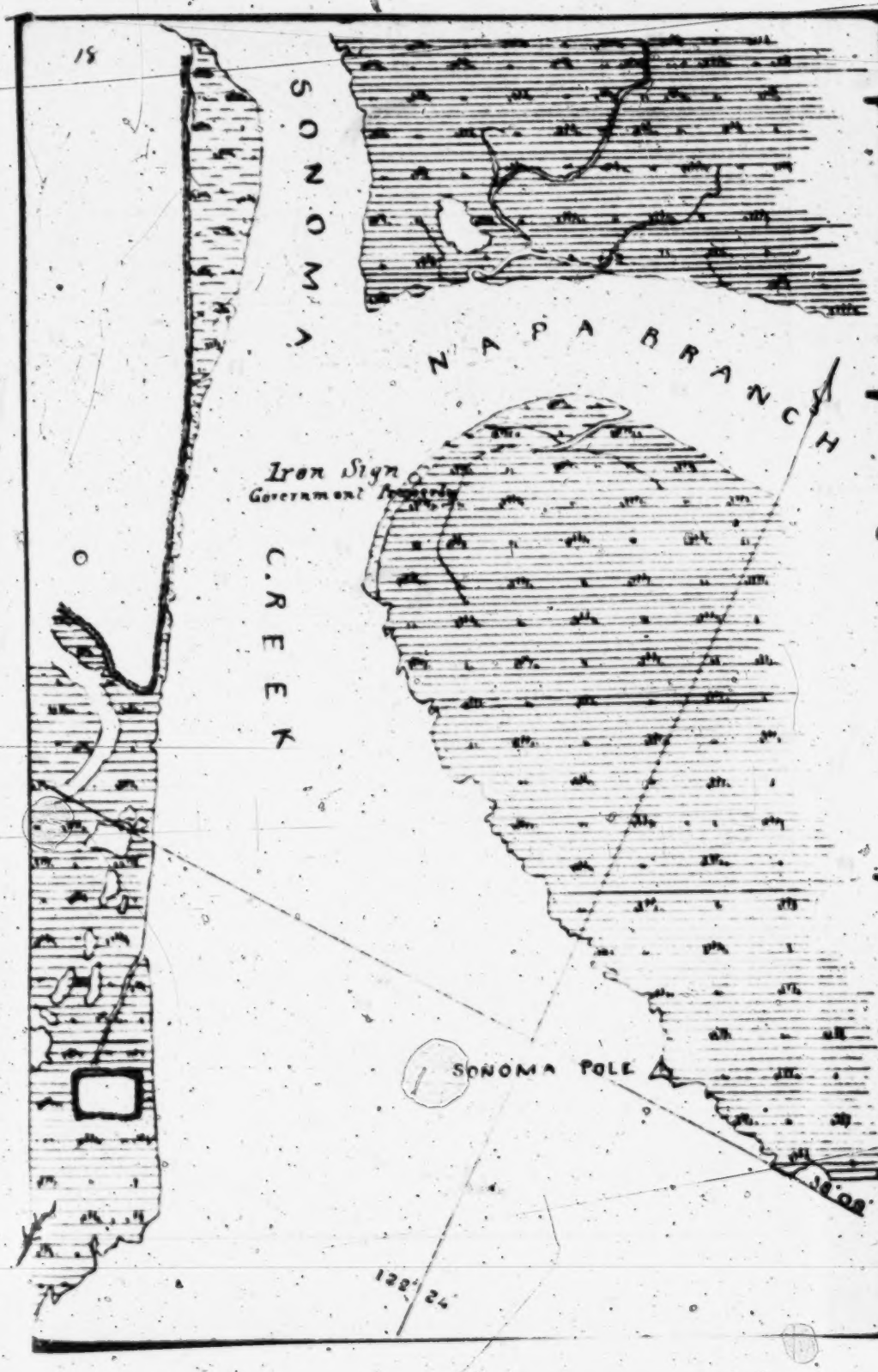
Original

1886-7

Chief of Party.

Jas. J. Lowrey

Pvt. T...


18
SONOMA
C. REEK
NAPA BRANCH
Iron Sign
Government Property
SONOMA POLE
38° 08'
122° 24'

1

9

Sonoma Pole.
Solano County Cal.

September 25th 1886. — This is a piece of square timber 10 x 10 in. and 16 ft. high, found standing on E. side of the mouth of Sonoma Creek. For what purpose it has been used will be ascertained. A piece of 2 x 4 in. scantling, length long was nailed to the top of this timber, and the position determined for topographical and hydrographic use.

9507
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APR 2 1940
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CLERK
U. S. DISTRICT COURT
U. S. vs. ET AL
No. 9085 EXHIBIT
FILED IN THE U. S. DISTRICT COURT

NEW TOWN

Rancho VALLEJO T.P.

SONOMA

LAKEVILLE

McDONAHUE

Petaluma

Petaluma Creek

Novato Pt

Navy Yard

VALLEJO

BENICIA

Mare I.

SAN PABLO BAY

San Jose

Long Pt

Pt Pedro

Gallinas Creek

Canada de Herrera

Pt Pinole

Pt Wilson

El Pinole

Blacksmith Shop

Rancho Rincon de las Gallinas

Rancho Punta de Quentin

Rancho Corte Madera del Presidio

Rancho Sausal Redondo

Rancho Cañada de Herrera

Rancho Nicasio

Rancho Tomales y Baulines

Rancho Las Baulines

Rancho Punta de Quentin

Rancho Corte Madera del Presidio

Rancho Sausal Redondo

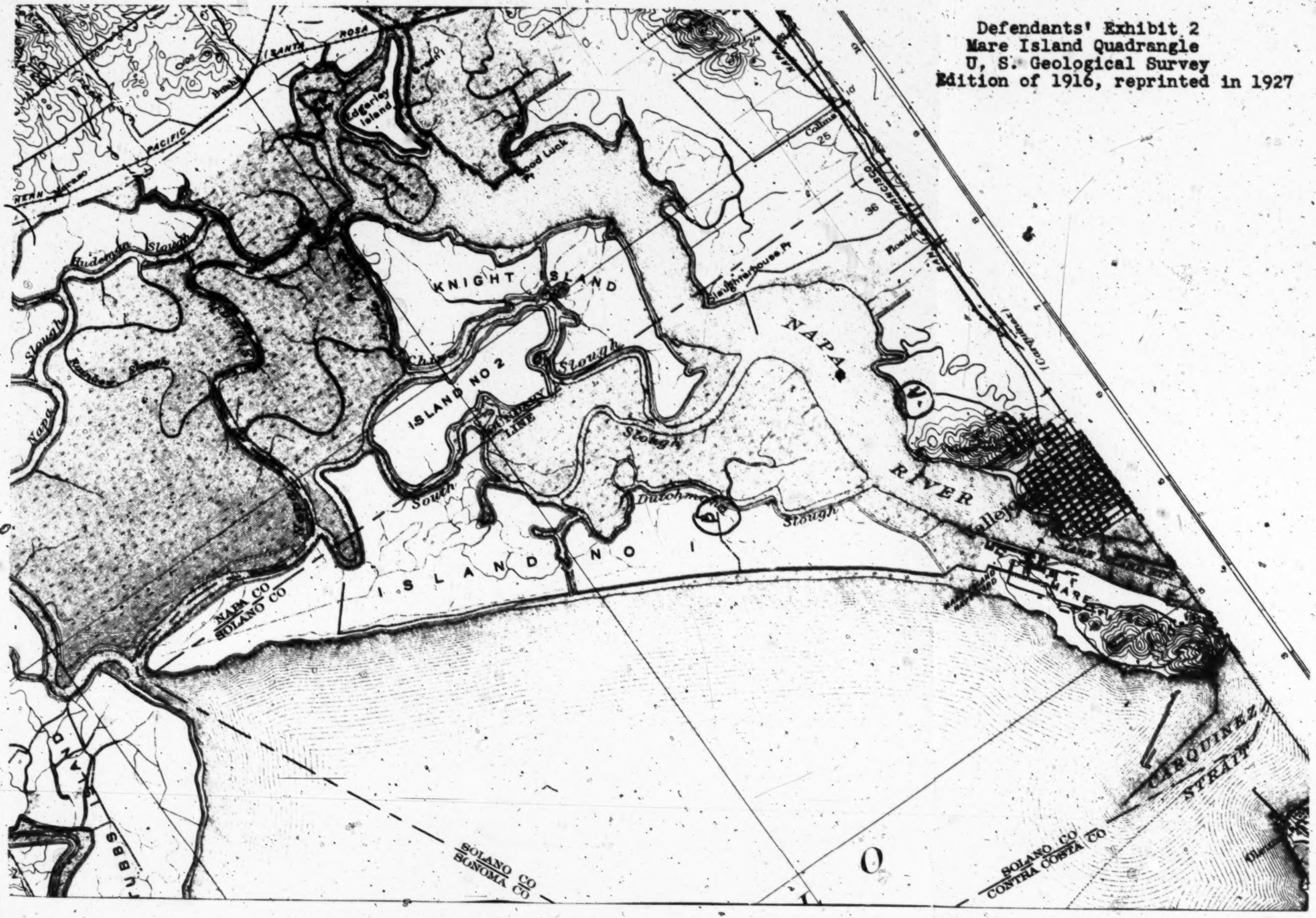
Rancho Cañada de Herrera

Rancho Nicasio

Rancho Tomales y Baulines

Rancho Las Baulines

Defendants' Exhibit 2
Mare Island Quadrangle
U, S. Geological Survey
Edition of 1916, reprinted in 1927



Merazo
Hunters
SANTA ROSA BRANCH
Bull
LISTOGA BRANCH
Creston
SOUTHERN PAC
Jameson
Third Napa Slough
Hudeman Slough
Green I.
Mc Gill
Second Napa Slough
Napa Junction
Goodluck Point
NAPA
Fairville
B.M.X
40
SONOMA MTS
Sonoma Creek
Island No. 2
Napa Slough
BOUNDARY LINE
Staughterhouse Point
NAPA CO.
SOLANO CO.
680
Sears Pt.
Island No. 1
Tubbs Island
Carquinez
Tolay Creek
Petaluma Creek
Petaluma Pt.
Novato Cr
SOLANO CO.
SONOMA CO.
SONOMA CO.
MARIN CO.
SOLANO CO.
CONTRA COSTA CO.
CARQUINEZ STRAIT
Dillon Pt.
MARE ISLAND NAVY YARD
MARE ISLAND STRAIT
Vallejo
Mare
U.S. Reservation
Sulphur Springs
Selby
Port Costa
SAN PABLO BAY
FOR UNITED ST
PAL
9807
FILED
APR 27 '98
PAUL P. O'BRIEN

County Surveyors Office
Solano County Cal

37

V.W

IV.W

Swamp And Overflowed Lands

Survey No 569
Townships 3 and 4 North
Ranges 4 and 5 West
Sections 3.4.5.6.7.8.9.16 and 17 in T3N R4W
and 2 in 3N 5W. 31.32.33 and 34 in T4N 4W
26.27.34.35 and 36 in T4N 5W

Fractional Section 3 Entire 4.5. Fractional 6.7.8 and 9. W 3/4 of
W frac of N½ of 16 and N frac of SE ¼ of 16 and Small frac in NE ¼ of NW ¼ of 17 T3N R4W
Fr Sections 1 and 2 in 3N 5W. Entire Sections 31.32.33. NW fr ¼ of 34 T4N R4W
S frac of SE ¼ & S frac of SW ¼ of 26. S frac of SW ¼ & S frac of SE ¼ of 27. and Fractional Sections 34 & 35 and Entire 36 in T4N R5W

Base and Meridian of Mount Diablo

Certificate

Surveyed in 1869
For Jacob H. Hinkley

Field Notes

Beginning at a Stake on the West Bank of Napa Bay 32 Chains West of the Northeast Corner of Section 30 T4N R5W Running thence West on Section lines 322.00 chains to a Stake on the South Bank of Ruchias Creek at the Northeast corner of Section 25 T4N R5W. Thence with said Bank as follows N73½° W 38.00 chains, N75° W 82.50 chains N84° W 33.00 chains S60° W 7.50 chains to Section line S05° W 11.50 chains S22° W 13.50 chains to the County line. S4° W 10.50 chains to San Pablo Bay, S44° E 15.50 chains S67° E 32.00 chains S75° E 62.00 chains S6° E 76.50 chains S63° E 62.50 chains S63.50 E 61.00 chains S67.00 E 63.50 chains S69° E 57.50 chains S67.00 E 67.50 chains N66° E 67.00 chains S80° E 60.50 chains to the West line of Swamp Land Survey No 34. Thence South along said line 22.33 chains to a point 10 chains South of the center of Section 10 T3N R4W, Thence East along the South line of said Survey 30.00 chains to the Bank of Napa Bay. Thence along said Bank N12½° W 20.50 chains to the mouth of Sulphur Creek Slough. N28° W 16.00 to South Slough N30° W 12.00 chains. N75° W 17.00 chains. N25° W 4.50 chains N12° W 63.50 chains to the Place of Beginning Containing 741.57 Acres of Land. Also By the Base Meridian & Magnetic Variation 16.2° East. 73

The grants herein lying and situate in Solano County surveyed in accordance with the Act of the Legislature Concerning State Lands Approved March 28th 1868 and the Instructions of the Surveyor General

(Wm Wayne Toland) County Surveyor of Solano County

Certified to be a correct Copy of the Original Record in my Office

(Wm Wayne Toland), County Surveyor of Solano County.

San Pablo Bay

Napa Bay

Mare Island Navy Yard

Napa

Slaughterhouse Point

Sulphur Creek

Sulphur Creek Slough

Ruchias Creek

Napa Slough

Napa Creek

Section lines

Meridian

Boundary between Solano and Napa Counties

Meanders

Entered

U.S. District Court

Defendants' Exhibit No. 9

VALLEJO

SECTION 11

MARE ISLAND STRAIT

SECTION 24

SECTION 14

SECTION 10

TITLE TO THIS AREA IN LITIGATION

MARE ISLAND

SECTION 23

SECTION 22

SECTION 15

SAN PABLO BAY

SECTION 26

William Kenneth Stapleton et al
No 30-10-2 1c
30-
10

N.T. Corcoran
for Govt.

R-231

U S NAVY YARD, MARE ISLAND CAL.
MAP SHOWING LOCATION OF
U.S. NAVAL RESERVATION.
MARE ISLAND, VALLEJO, CAL.
BEING FRACTIONS OF SECTIONS
10, 11, 14, 15, 23, 24, 25, 26, T. 3 N. R. 4 W. M.D.M.

SCALE 1 10000

OCT. 1913.

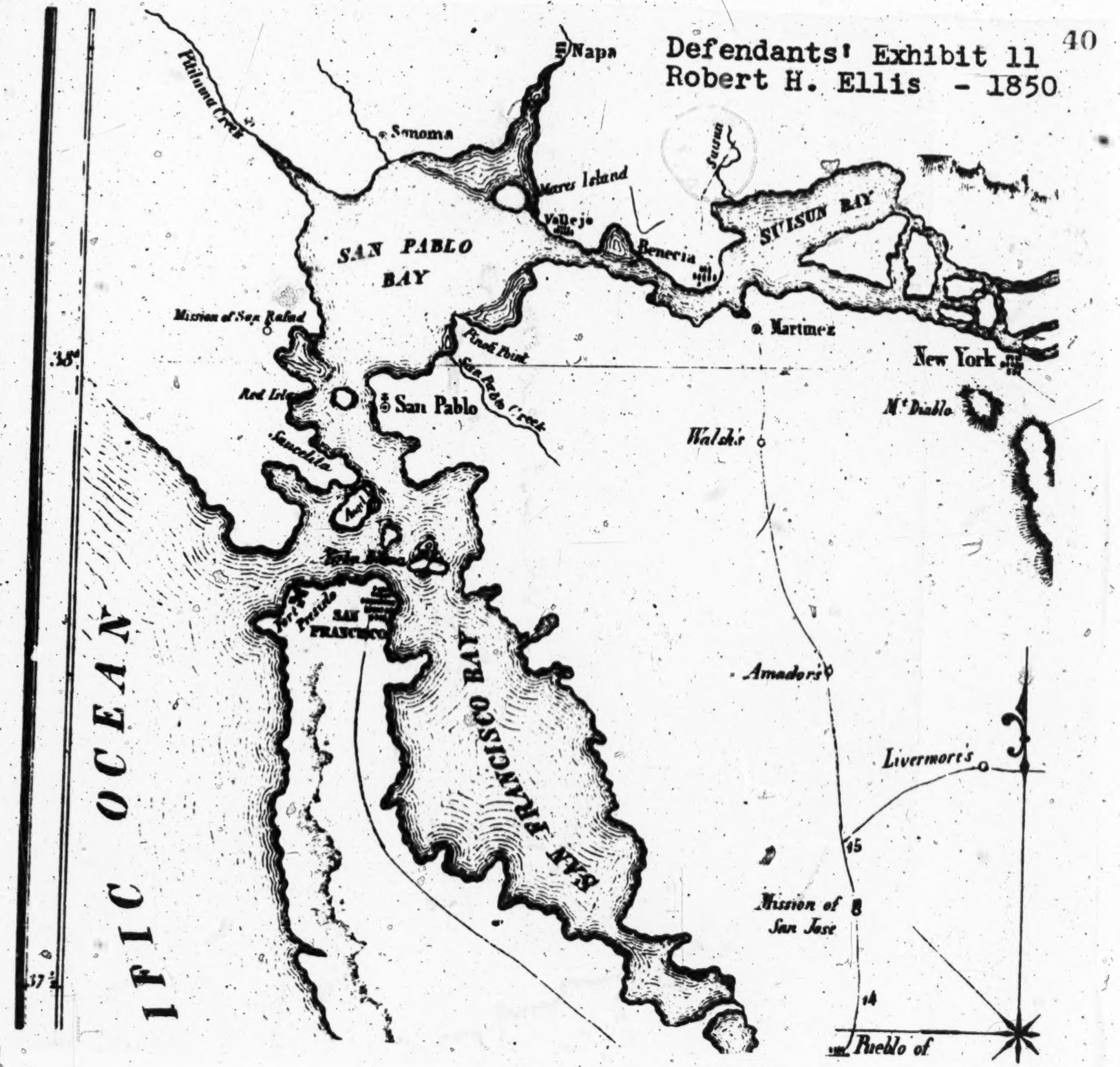
CIVIL ENGINEER, U.S.N.
PUBLIC WORKS OFFICER

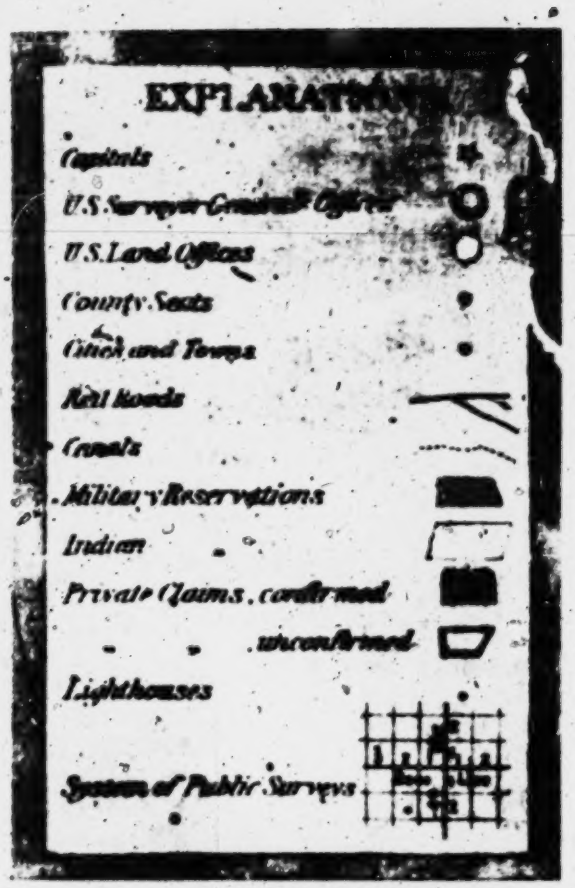
9507

FILED
APR 20 1940
PAUL P. O'BRIEN
CLERK

U. S. DISTRICT COURT
U. S. vs. SIE. ANI
NO. 2080 DEFT. EXHIBIT NO.

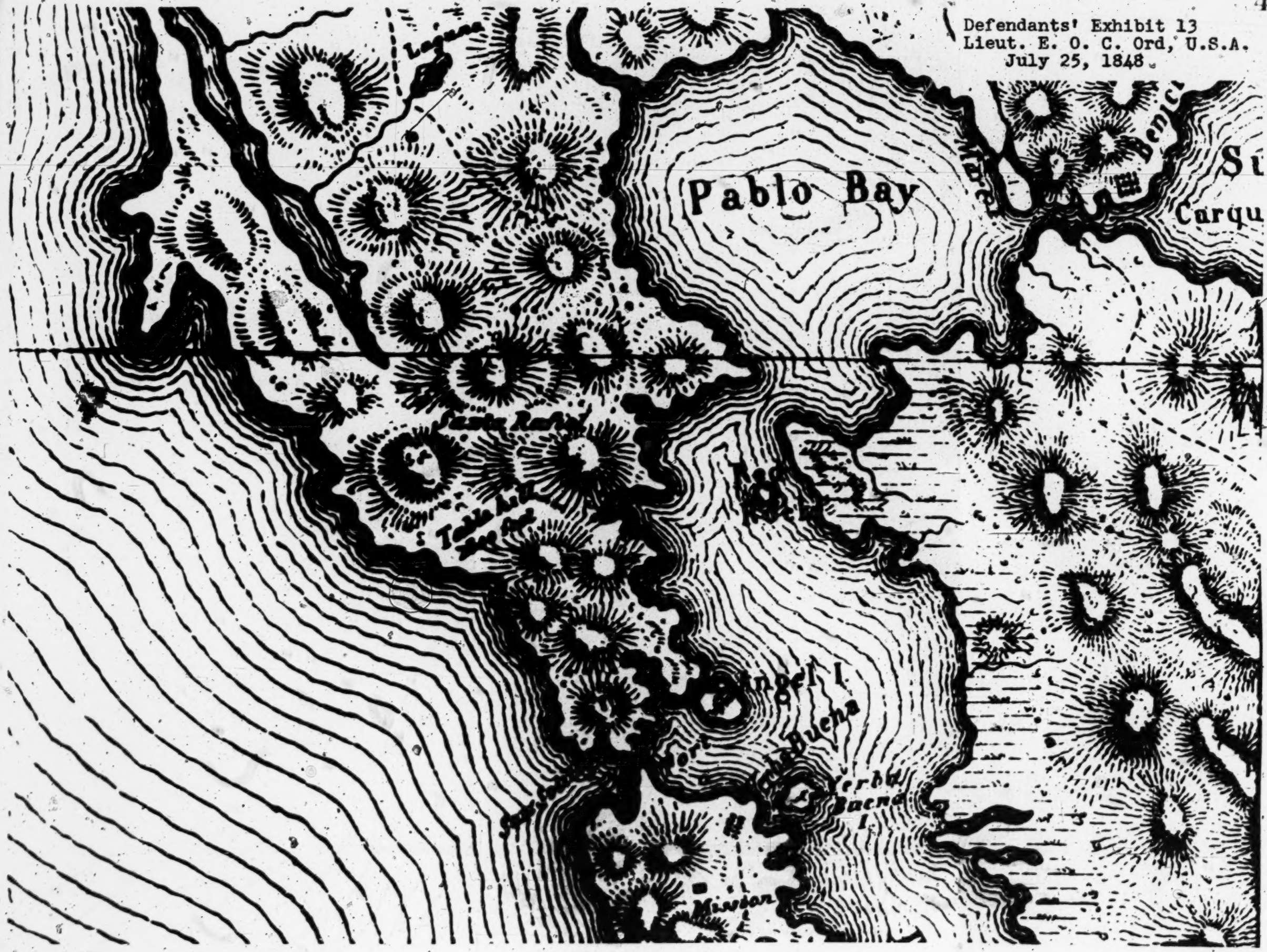
Defendants' Exhibit 11
Robert H. Ellis - 1850





7
FILED
APR 29 1948
PAUL P. O'BRIEN
U. S. DISTRICT COURT
U S VS STEWART
No. 9060 DEPT. EXHIBIT
FILED JUNE 11, 1
W. B. MALIVO, CLERK

Defendants' Exhibit 13
Lieut. E. O. C. Ord, U.S.A.
July 25, 1848.



Defendant's Exhibit 14.
Official Map of Solano County
1890.

OFFICIAL MAP
OF THE
COUNTY OF SOLANO
CALIFORNIA

SHOWING

MEXICAN GRANTS UNITED STATES GOVERNMENT & SWAMP LAND SURVEYS
PRESENT PRIVATE LAND OWNERSHIPS

ROADS & RAIL ROADS.

COMPILED BY E. N. EACER. COUNTY SURVEYOR

APPROVED BY THE BOARD OF SUPERVISORS
APRIL 7TH 1890

SUPERVISOR 2ND DIST. R. J. A. Aden CHAIRMAN.
1ST .. Edw. Stattuck
3RD .. Peter Sibbett
4TH .. D. K. Corn
5TH .. Jno. H. Cox

Attest Joel A. Harvey Clerk

Corrected to July 1st 1890
E. N. Eacer Co. Surveyor

Defendant's Exhibit 14.
Official Map of Solano County
1890.

DEFENDANTS' EXHIBIT 15

15

OFFICIAL MAP

OF THE

COUNTY OF SOLANO

CALIFORNIA

SHOWING

MEXICAN GRANTS & U.S. GOV. AND SWAMP LAND SURVEYS

PRESENT PRIVATE LAND OWNERSHIPS

ROADS & RAIL ROADS

COMPILED BY E. N. EAGER EX COUNTY SURVEYOR

OWNERSHIPS FURNISHED BY SOLANO COUNTY ABSTRACT CO.

APPROVED BY THE BOARD OF SUPERVISORS

MARCH 1st 1909

1st DIST. CHAIRMAN

2nd "

3rd " J. E. Gleudon

4th "

5th "

ATTEST CLERK

NAPA CITY

VISUAL DISTANCE

Defendants' Exhibit 15
Official Map of Solano County
1909

SAN PABLO BAY

DEFENDANTS' EXHIBIT NO. 16

OFFICIAL MAP OF THE COUNTY OF SOLANO CALIFORNIA

SHOWING

MEXICAN GRANTS, U.S. SURVEYS, SWAMP LANDS, POLITICAL SUBDIVISIONS,
CITIES AND TOWNS, ROADS AND RAILROADS
POWER LINES AS IN 1925

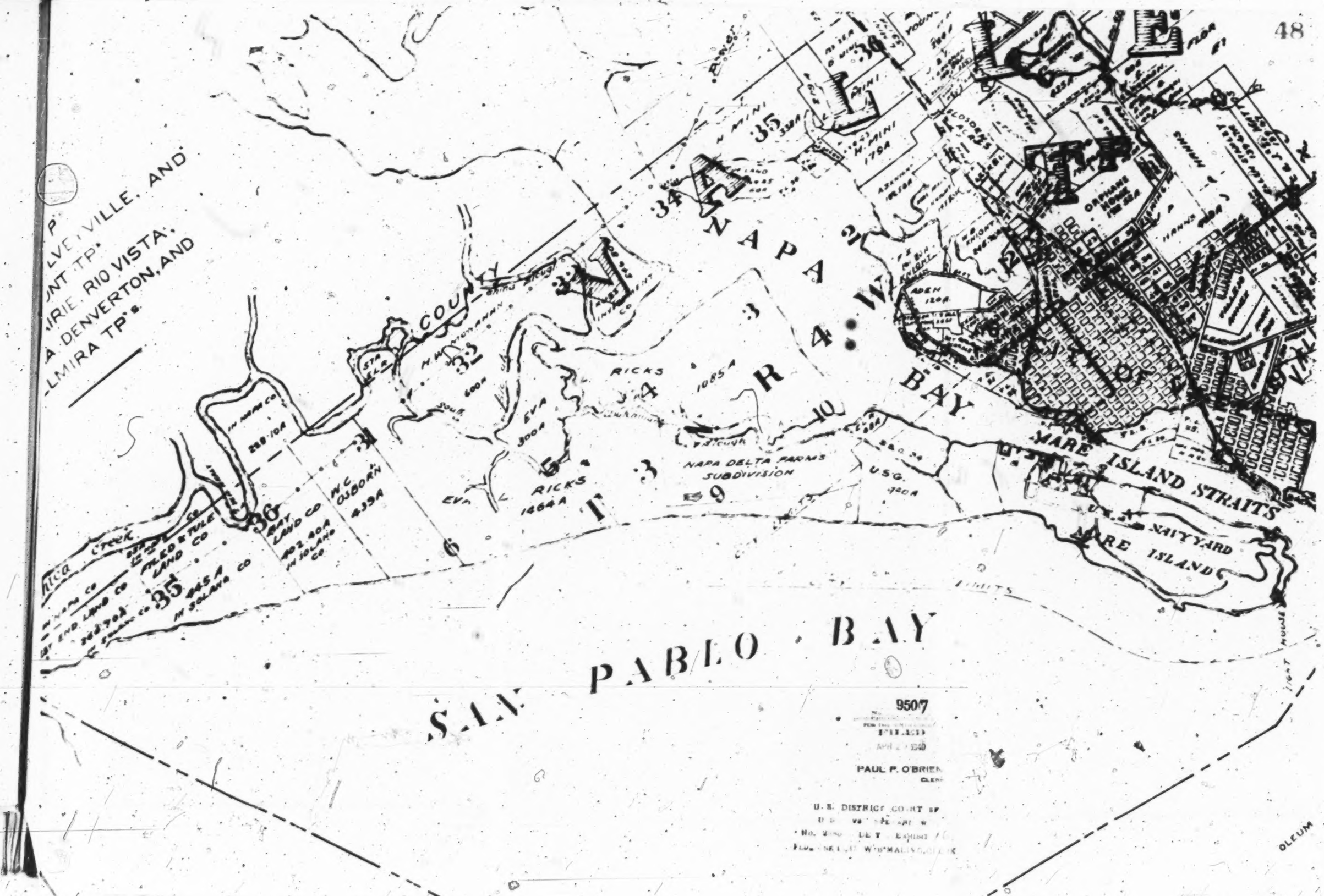
COMPILED BY **E.N. EAGER** EX-COUNTY SURVEYOR

APPROVED BY THE BOARD OF SUPERVISORS
MAY 4TH 1925

1st DIST. [signature] CHAIRMAN
2nd J.R. THORNTON
3rd C.E. MAYFIELD
4th C.E. SCHMEISER
5th THOS. McCORMACK

[signature illegible] CLERK

NAPA CITY

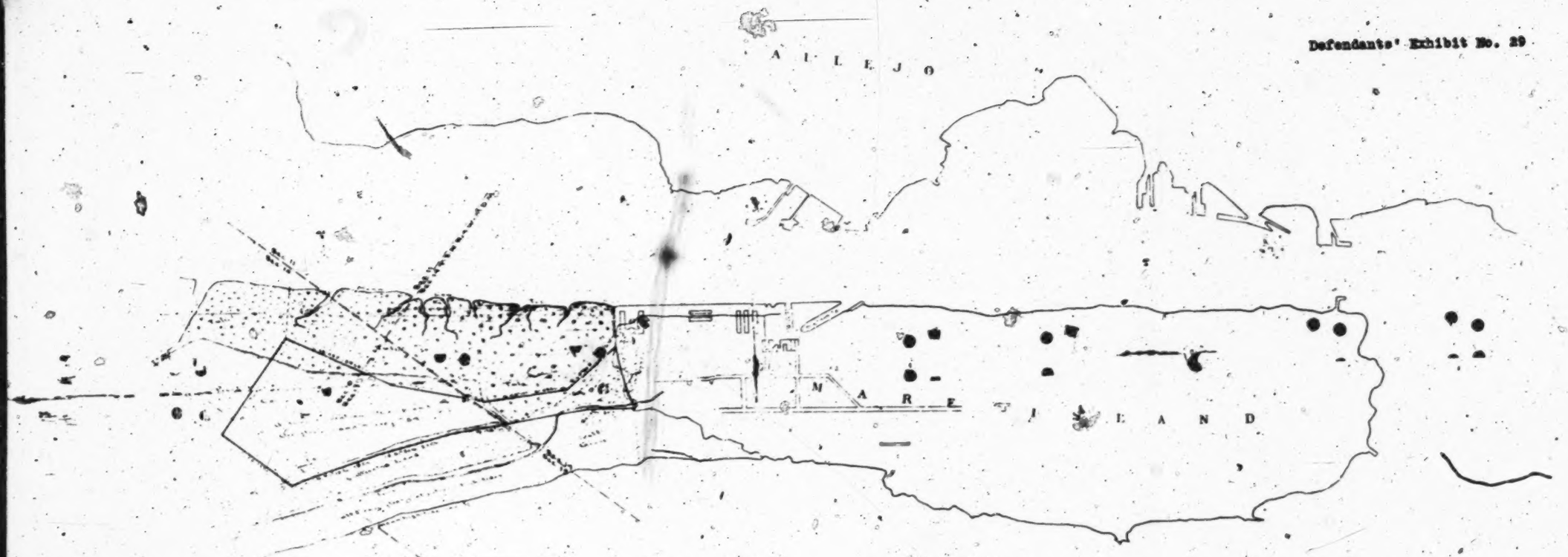


9507

PAUL P. O'BRIEN
CLERK

U. S. DISTRICT COURT

Defendants' Exhibit No. 29



[illegible]		[illegible]		[illegible]	
White Lands		White Lands		White Lands	
[illegible] Land	110½	Cultivated Land	44	Uncultivated Land	4
Cultivated Land	9	Uncultivated Land	12	Without Levee	
With Levee		White Levee		Swamp Land (Tules)	104
Swamp Land (Tules)	0	Farm Land (valley soil)	78	Farm Land	2
Farm Land (valley soil)	20				
Total	129½	Total	132	Total	108

U.S. Navy Yard, Mare Island, Cal.
Map Showing Assumed Location
of Swamp & Overflowed Land Survey '51
and Observations
T. 3 N. R. 4 W. M.D.M.

Township No. 3 North, Range No. 5 West, Mount Diablo Meridian

SAN PABLO BAY

Meanders of San Pablo Bay

Beginning at M¹ on west and N°10' on mile 0 of Tp. thence

No.	Course	Distance
1	N. 88° E.	22.00
2	" 13 "	21.00
3	S. 60½ "	21.00
4	" 3 "	12.00
5	" 73 E.	20.00
6	" 85½ "	17.00
7	N. 13½ "	23.00
8	" 19½ "	14.00
9	" 68 "	14.00
10	" 58 "	26.00
11	" 74 "	14.00
12	" 66½ "	11.00
13	" 81½ "	33.00
14	" 17½ "	16.00
15	" 49½ "	32.00
M	" 33 "	25.00
17	" 27 "	13.78

Aggregate 324.78
Less Area 74.00

9507
No.
UNITED STATES CIRCUIT COURT OF APPEALS FOR THE NINTH CIRCUIT
FILED
APR 29 1940
PAUL P. O'BRIEN, CLERK

U. S. DISTRICT COURT
U S VS STEWART
No. 3686 DEPT. EXHIBIT 41
FILED JUNE 15,37 W. B. MALIVG, CLERK

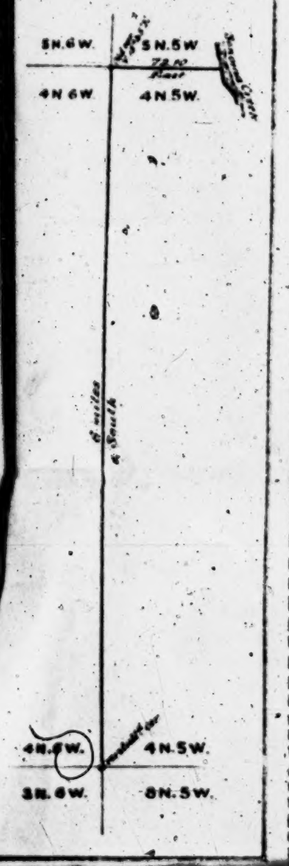
Aggregate Area of Private Grant		149.42 Acres
Swamp & Overflowed Land surveyed by Different Dep. Surv. in 1855		2452.64 "
Estimated Swamp & Overflowed Land in Sec 1		177.00 "
San Pablo Bay		20220.94 "
Aggregate		23000.00 "

Note. The Salt Marsh Land shown in Sec. 1, is copied from the published charts of the U.S. Coast Survey.

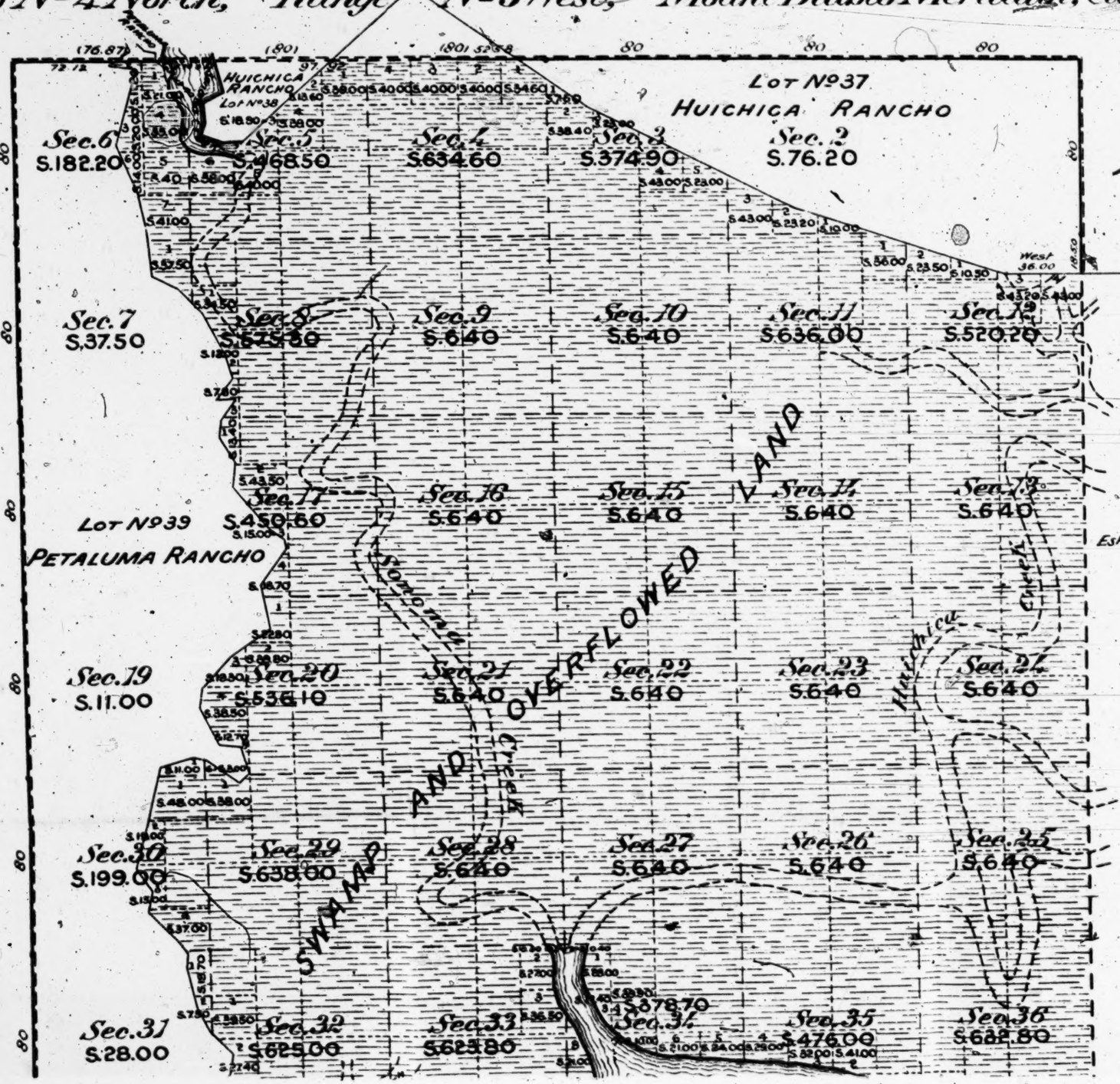
DEPARTMENT OF THE INTERIOR.
GENERAL LAND OFFICE.
Washington, D. C. July 10, 1907
I hereby certify that this is a true copy of the plat of official survey of the lands to which it relates, on file in this office.

Fred W. Gunett
Acting Commissioner.

Sketch showing resurveys by John Caldwell Dep. Surv., contract dated December 4th 1886 to establish the corrections in Tps 3 & 4 N. Rs 5 & 6 W., M. D. M.
Scale 80 chs. to 1 inch



Township No. 4 North, Range No. 5 West, Mount Diablo Meridian, California.



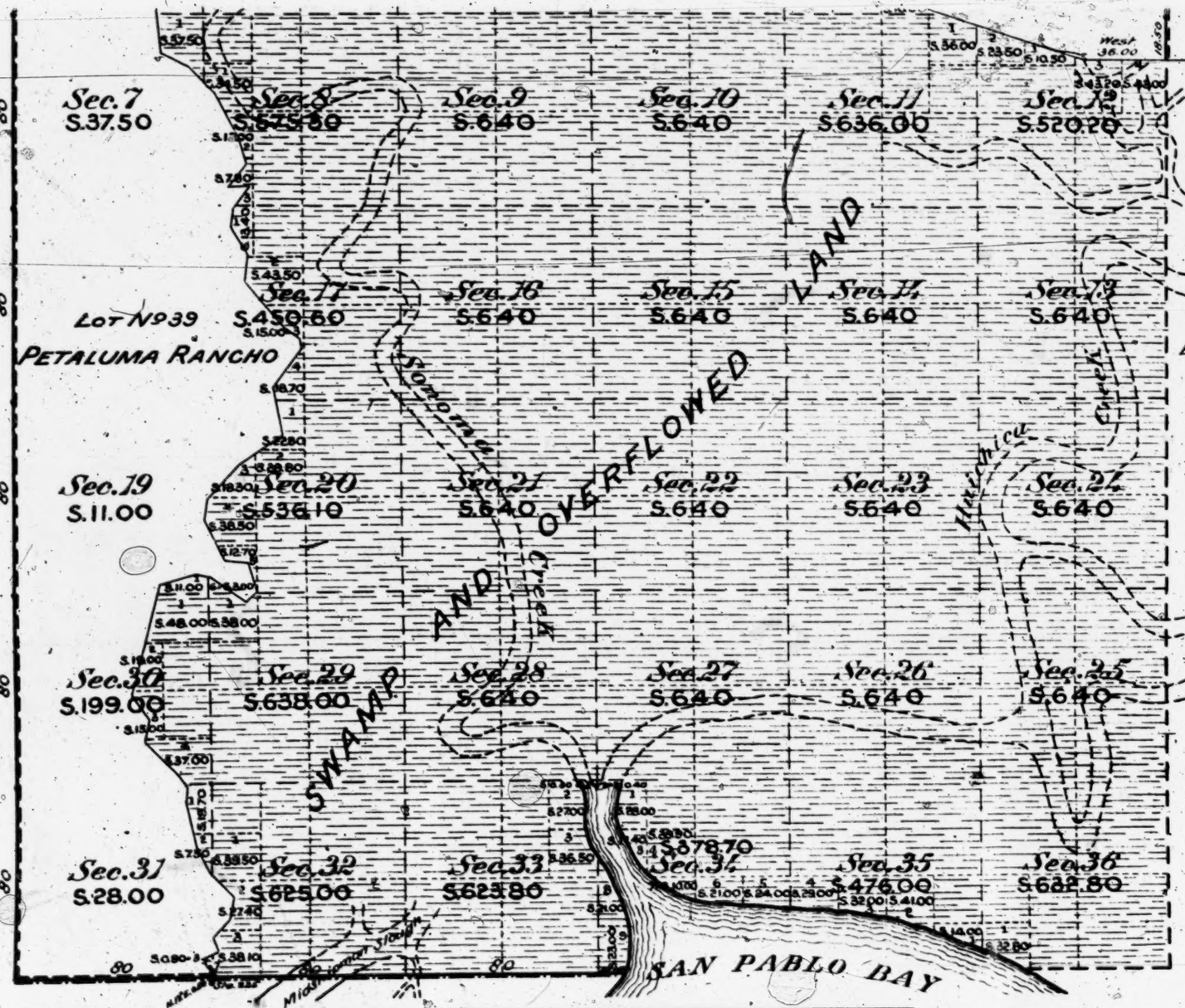
No. 9507
UNITED STATES CIRCUIT COURT OF APPEALS
FOR THE NINTH CIRCUIT
FILED
APR 29 1940
PAUL P. O'BRIEN
CLERK

U. S. DISTRICT COURT
U S vs STEWART
No. 2685 DEFT. EXHIBIT 42
FLD JUNE 10,37 W. B. MALING, CLERK

Estimated Area of Swamp and Overflowed Land	17,064.40 Acres.
" " Sonoma Creek in Secs. 5 and 6	62.00 "
" " Private Grants (Lots 37, 38, 39 and 40)	5,392.00 "
Aggregate	22,518.40 "

DEPARTMENT OF THE INTERIOR,
GENERAL LAND OFFICE,
Washington, D. C. July 30, 1907.
I hereby certify that this is a true copy of the plat of official survey of the lands to which it relates, on file in this office.

Fred Dennett
Acting Commissioner.



U. S. DISTRICT COURT
U S vs STEWART
No. 2885 DEPT. EXHIBIT 42
FLD JUNE 10,37 W. B. MALTBY, CLERK

Estimated Area of Swamp and Overflowed Land 17,064.40 Acres.
" " " Sonoma Creek in Secs. 5 and 6 62.00 "
" " " Private Grants (Lots 37, 38, 39 and 40) 5,392.00 "
Aggregate 22,518.40 "

DEPARTMENT OF THE INTERIOR,
GENERAL LAND OFFICE.
Washington, D. C., July 30, 1907.
I hereby certify that this is a true copy of the plat of official survey of the lands to which it relates, on file in this office.

Fred Dennett
Acting Commissioner.

Surveys Designated	By whom Surveyed	Date of Contract	Amount of Survey	When Surveyed
Township Lines	F. R. Loring	April 6, 1852		1852
" "	John Gilcrest	Dec. 5, 1884		1885
Boundaries of Hutchiss Rch° (Lots 37 & 38)	C. C. Tracy	Instr. Dec. 1, 1858		1858
" " Petaluma Rch° (Lots 39 & 40)	"	" Oct. 1, 1859		1860

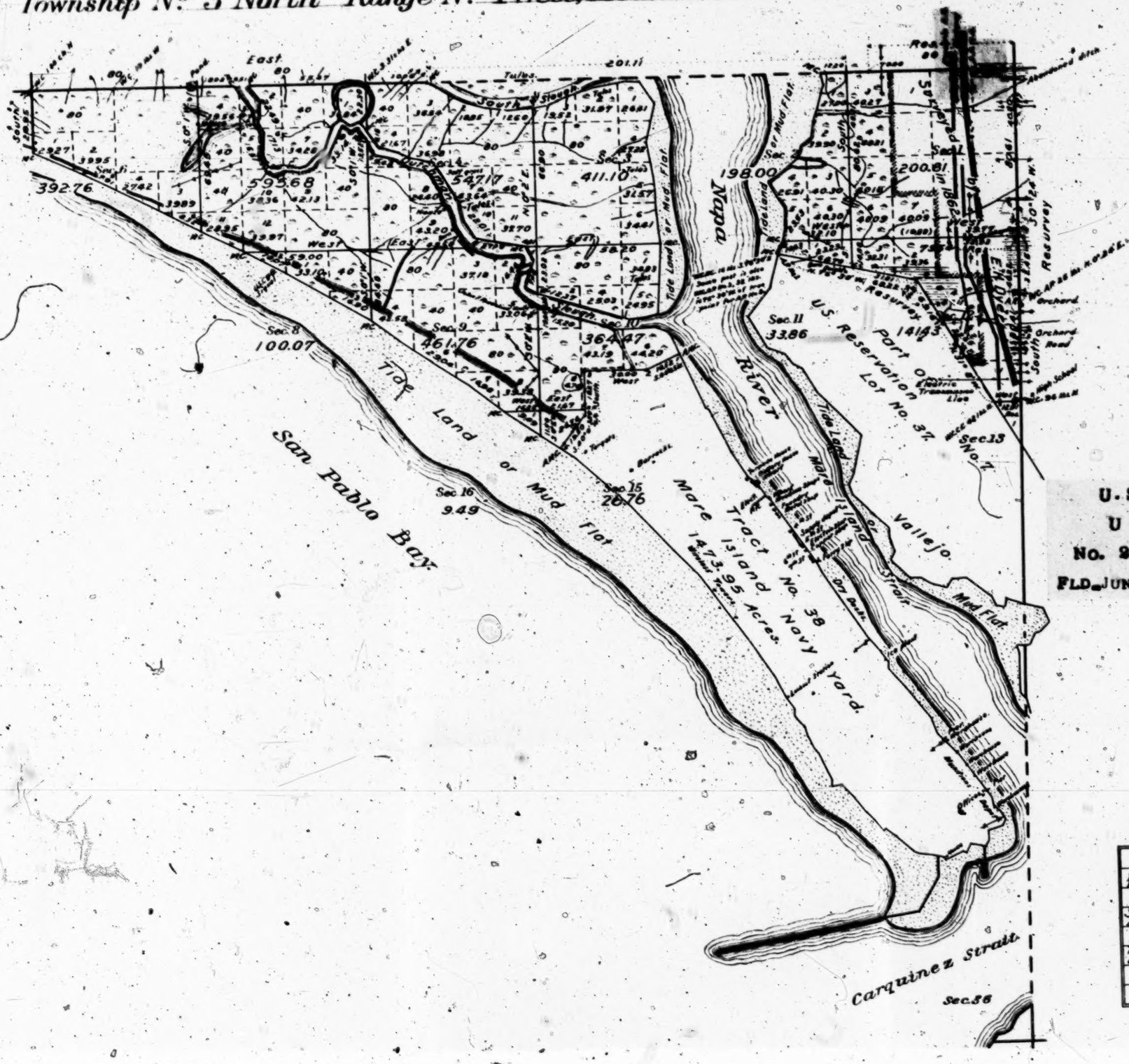
The above Map of Township N°4 North, Range N°5 West, Mount Diablo Meridian, California, has been compiled from the maps on file in this office of the survey of Mount Diablo Meridian and the State Segregation of Swamp and Overflowed Land in Sonoma and Napa Counties, in accordance with second clause of Section 2488 of the Revised Statutes of the United States, and also in accordance with directions contained in Department letter "E", dated February 2, 1904.

U. S. Surveyor-General's Office.
San Francisco, California.
March 9, 1907.

W. S. Graham
U. S. Surveyor-General for California.

Accepted November 8, 1923.

Frac. Township No. 3 North Range No. 4 West, Mount Diablo Meridian, California.



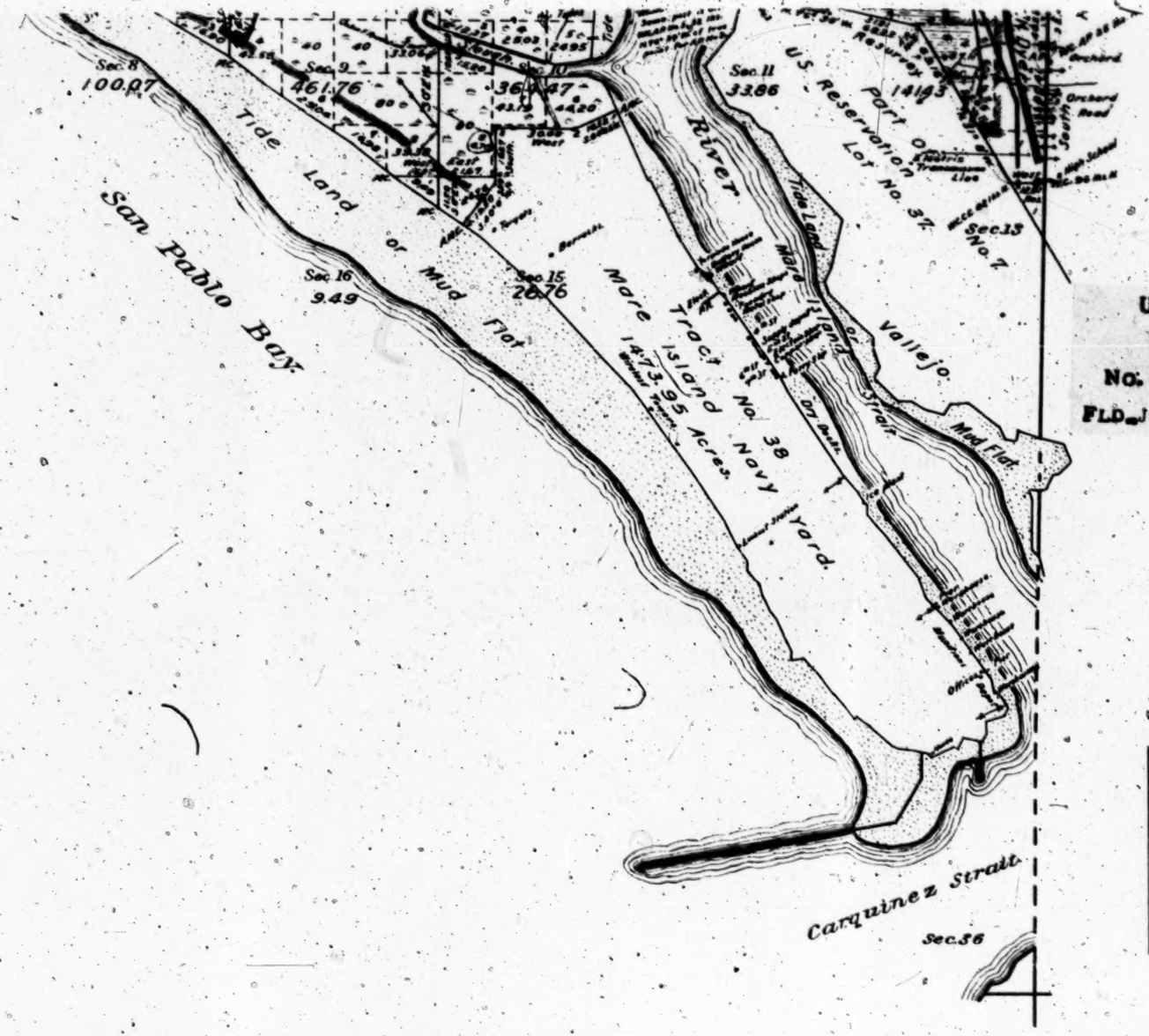
No. 9507
UNITED STATES CIRCUIT COURT OF APPEALS
FOR THE NINTH CIRCUIT
FILED
APR 29 1940
PAUL P. O'BRIEN,
CLERK

U. S. DISTRICT COURT SF
U S vs STEWART ★
No. 2686 DEFT. EXHIBIT 43
FLD JUNE 15,37 W. B. MALIVG, CLERK

Areas in Acres.	
Public Land Previously surveyed	651.29
Swamp Land, surveyed under current instns.	348.36
Tract 38, surveyed under current instns.	1473.95
Total Area	5608.60

FOR THE NINTH CIRCUIT
FILED
APR 29 1940
PAUL P. O'BRIEN
CLERK

U. S. DISTRICT COURT SF
U S. VS STEWART ☆
No. 9685 DEFT. EXHIBIT 43
FLD. JUNE 15,37 W. B. MALIVG, CLERK



Mean Magnetic Declination 18° 30' E.
Lat 38° 8' N. in SW¼ Sec. 4
Long 122° 16' W

For lines previously surveyed see plat approved March 4, 1863.

Surveys Designated	By Whom Surveyed	Group No	Group Date	Amount of Surveys Mls.	chs.	lks.	When Surveyed Begun	Completed
North bdy.	Francis E. Joy	96	Jan. 27 1921	See plat of T. 4 N., R. 4 W.			Aug. 3, 1921	Aug. 12, 1921
East "	U.S. Cadastral Engineer.		Sept. 27 1923	2	1	2	" 2, "	" 3, "
West "	"	"	"		29	95	June 26, 1922	June 26, 1922
Reservation bdy. res.	"	"	"	1	57	85	Sept. 1, 1921	Sept. 1, 1921
Subdivisions res	"	"	"		45	84	" 2 "	" 3 "
Subdivisions sur	"	"	"	9	30	87	" 2, "	June 26, 1922
Meanders	"	"	"	22	74	67	" 3, "	Oct. 10, 1923
Connections	"	"	"	1	20	99	" 2, "	Sept. 3, 1921
Tract bdy.	"	"	"	1	8	38	Oct. 10, 1923	Oct. 10, 1923

Org. O.B.T.

Frac.

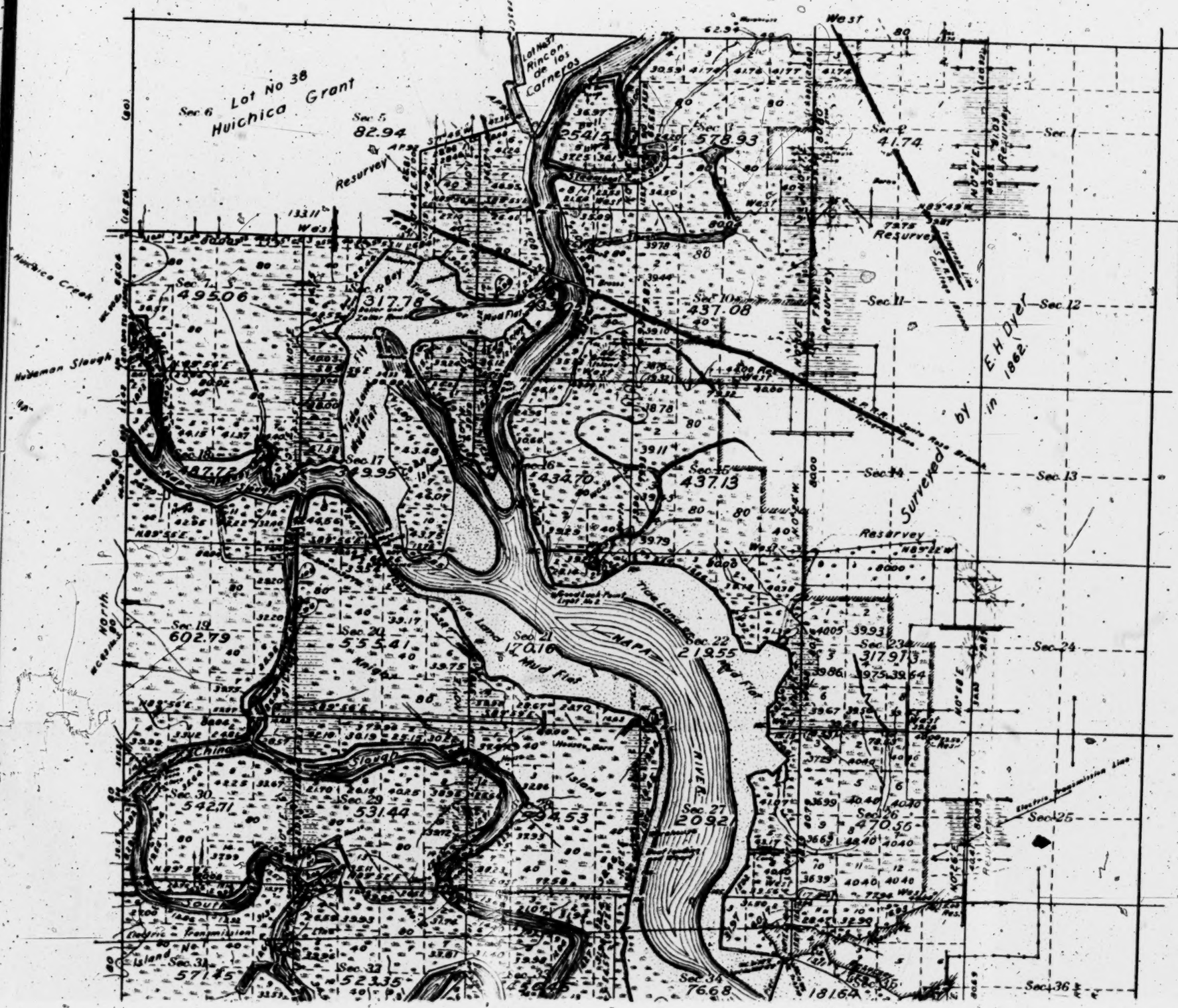
The above map of Township No. 3 North Range No. 4 West of the Mount Diablo Meridian California is strictly conformable to the field notes of the survey thereof on file in this office, which have been examined and approved.

U.S. Surveyor General's Office
San Francisco, California
October 24, 1923.

John Flores
U.S. Surveyor General
for California

Accepted November 8, 1923.

Frac. Township No. 4 North Range No. 4 West, Mount Diablo Meridian, California.



No. 9507
UNITED STATES CIRCUIT COURT OF APPEALS
FOR THE NINTH CIRCUIT
FILED
APR 29 1940
PAUL P. O'BRIEN
CLERK

U. S. DISTRICT COVRT SF
U S VS STEWART ★
No. 9685 DEFT. EXHIBIT 44
FLD JUNE 15,37 W. B. MALING, CLERK

Resurvey of Meanders
Sec. 35

MC Secs 26 and 35 to				
API	1	N 65° 16' W	9.54	chs.
"	2	S 65° 1' W	6.53	"
"	3	S 0° 29' E	4.01	"
"	4	S 7° 15' W	6.53	"
"	5	N 87° 23' W	6.02	"
"	6	S 64° 8' W	6.02	"
"	7	S 7° 45' W	6.02	"
"	8	N 82° 6' W	5.01	"
"	9	S 35° 6' W	8.03	"
"	10	N 54° 27' W	4.02	"
"	11	S 85° 38' W	4.02	"
"	12	N 32° 15' W	4.51	"
"	MC	N 85° 21' W	11.66	"

Sec. 34

MC to API				
MC	1	N 85° 21' W	2.17	"
API	2	S 68° 45' W	6.01	"
"	3	N 70° 23' W	6.53	"
"	4	S 88° 26' W	1.31	"
"	5	N 11° 35' W	3.01	"
"	6	S 32° 28' E	1.39	"
"	7	S 45° 3' E	5.65	"
"	8	S 18° 44' E	4.00	"
"	9	S 36° 15' E	3.50	"
"	10	S 89° 22' E	2.49	"
"	MC	N 59° 18' E	2.07	"

Sec. 35

MC to API				
MC	1	N 59° 18' E	2.31	"
API	2	N 79° 3' E	6.47	"
"	3	N 25° 44' E	3.78	"
"	4	N 8° 44' E	3.02	"
"	5	S 2° 31' E	8.09	"
"	6	S 56° 46' E	4.02	"
"	7	S 73° 21' E	20.13	"
"	8	S 8° 46' E	3.51	"
"	9	S 57° 40' E	11.17	"
"	10	N 77° 17' E	6.17	"
"	11	S 11° 30' E	4.62	"
"	12	N 85° 32' E	7.97	"
"	13	N 17° 9' E	4.37	"
"	14	N 68° 44' E	6.71	"
"	15	S 16° 25' W	2.31	"
"	16	S 65° 28' W	4.83	"
"	17	S 16° 13' W	10.02	"
"	18	S 61° 15' E	4.98	"
"	19	S 25° 46' E	14.75	"
"	MC	S 51° 50' E	3.28	"

Secs. 35 and 36

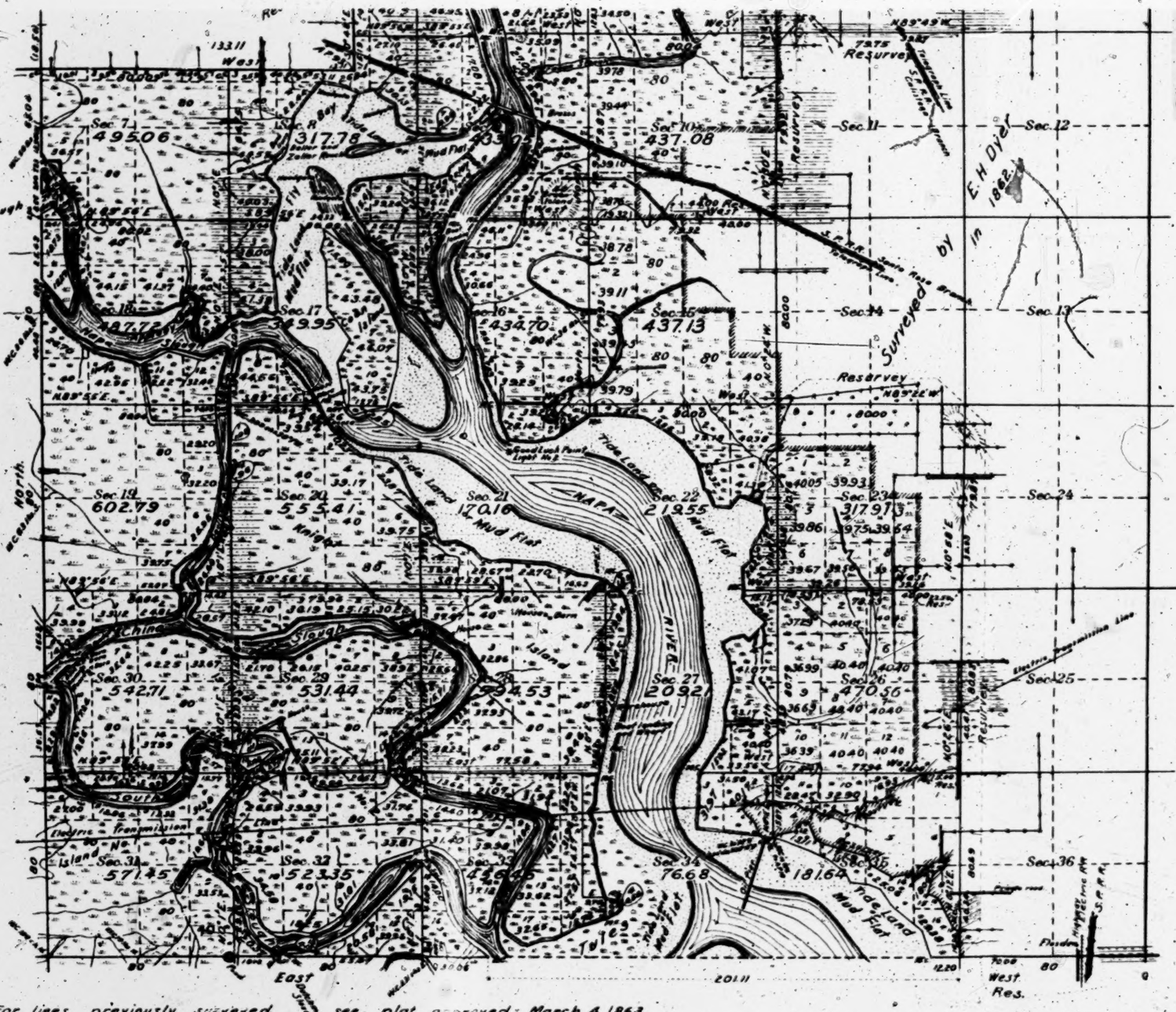
Areas

Resurveyed	1776.44	A.
New	10374.08	"

All areas shown upon this plat classed as surveys and overflowed lands, except SE¼ SE¼ Sec. 9

Areas in Acres	
Public Land Practically surveyed	6768.80
Estimated area, Tide Lands and Water Surface	4248.41
S.P.R.R. Land, surveyed under current instns.	1033.08
SE¼ SE¼ Sec. 9 Public Land Surveyed	

U S vs STEWART *
No. 9685 DEPT. EXHIBIT 44
FLD JUNE 15,37 W.B.MALING,CLERK



Resurvey of Meanders

Sec. 35					
MC Secs 26 and 35 to AP1		S 65° 16' W	3.56	chs.	
AP1	2	S 69° 1' W	6.33	"	
"	3	S 31° 25' E	4.80	"	
"	4	S 17° 12' W	6.53	"	
"	5	S 46° 3' W	5.02	"	
"	6	S 17° 42' W	6.02	"	
"	7	N 68° 8' W	3.01	"	
"	8	S 38° 8' W	4.02	"	
"	9	N 19° 27' W	4.02	"	
"	10	S 83° 38' W	4.02	"	
"	11	S 38° 15' W	4.51	"	
"	12	N 88° 21' W	11.64	"	
Sec. 34					
MC to AP1		N 87° 21' W	2.17	"	
AP1	2	S 66° 45' W	4.61	"	
"	3	N 70° 23' W	6.53	"	
"	4	S 39° 26' W	1.31	"	
"	5	S 11° 35' W	3.01	"	
"	6	S 32° 35' E	1.99	"	
"	7	S 44° 3' E	5.55	"	
"	8	S 18° 46' E	4.00	"	
"	9	S 36° 15' E	4.50	"	
"	10	S 69° 55' E	2.49	"	
10	MC	N 59° 10' E	2.07	"	
Sec. 35					
MC to AP1		N 5° 16' E	2.91	"	
AP1	2	N 7° 3' E	6.67	"	
"	3	N 25° 10' E	3.76	"	
"	4	N 7° 46' E	3.98	"	
"	5	S 21° 31' E	3.98	"	
"	6	S 2° 46' E	4.43	"	
"	7	S 73° 44' E	20.13	"	
"	8	S 18° 46' E	3.51	"	
"	9	S 52° 48' E	11.17	"	
"	10	N 77° 17' E	9.17	"	
"	11	N 11° 30' E	4.62	"	
"	12	N 48° 52' E	7.37	"	
"	13	N 67° 44' E	8.71	"	
"	14	S 16° 25' W	5.31	"	
"	15	S 69° 28' W	4.83	"	
"	16	S 14° 13' W	10.02	"	
"	17	S 61° 15' E	6.98	"	
"	18	S 25° 46' E	14.73	"	
19	MC	S 51° 50' E	3.28	"	

to Secs. 35 and 36

Areas

Resurveyed	1776.44 A.
New	10374.08 "

All areas shown upon this plat classed as surveys and overflowed lands, except SE¼ SE¼ Sec 9

Areas in Acres	
Public Land Previously surveyed	6768.80
Estimated area, Tide Lands and Water Surface	4248.41
S.P.R.R. Land, surveyed under current instns	10334.08
SE¼ SE¼ Sec. 9	
Public Land Surveyed under current instns	40.00
Total Area	21391.29

0 10 20 40 60 80 Tide Meanders

Scale 40 Chains to an inch

Mean Magnetic Declination 18° 30' E.
Lat 38° 12' N
Long 122° 16' W Near center of Sec. 14.

For lines previously surveyed, see plat approved March 4, 1863.

Surveys Designated	By Whom Surveyed	Group No.	Group Date	Amount of Surveys Mls.	Amount of Surveys chs.	Amount of Surveys lks.	When Surveyed Begun	When Surveyed Completed
N. bdy. new and res.	Francis E. Joy U.S. Cadastral Engineer	96	Jan 27, 1921		62	94	July 29 1921	Aug 22, 1921
W. "	"	"	"		65	04	Sept 6 "	Oct 30 "
S. " new and res.	"	"	"		42	26	Aug. 3 "	Sept 30 "
Subdivisions res.	"	"	"		71	82	" 3 "	Aug 22, "
" new	"	"	"		0	66	" 11 "	Oct. 30 "
Meanders res.	"	"	"		5	91	" 26 "	Aug 29 "
" new	"	"	"		56	48	" 18 "	Oct 27 "
Grant bdy. res	"	"	"		41	47	Sept 6 "	" 30, "
Connections	"	"	"		6	78	Oct 29 "	" 30 "

Orig. OBT.
Comp. FEB.

The above map of Fractional Township No. 4 North Range No. 4 West of the Mount Diablo Meridian California is strictly conformable to the field notes of the survey thereof on file in this office which have been examined and approved.

U. S. Surveyor General's Office
San Francisco California
March 16, 1923.

John Flower
Surveyor General.
for California